

MF116611

| Lease Type | Control | Basefile | County |
|----------------|---------------|------------------------------|---------------------|
| 52.076 [Unleas | 01-002809 | | BRAZOS |
| | 01-002818 | | GRIMES |
| | Survey | | |
| | Block | | |
| | Block Name | | |
| | Township | | |
| | Section/Tract | | |
| | Land Part | | |
| | Acres | Net: 12.310000 | Gross: 12.310000 |
| | Depth Below | Depth Above | Depth Other |
| | 9084 | 9839 | Specified Depths |
| | Name | MARLIN ENERGY RESOURCES, LLC | |
| | Lease Date | 7/1/2014 | |
| | Primary Term | 1 years | |
| | Bonus | \$4,924.00 | |
| | Lease Royalty | 0.25000000 | |
| | Paid Up | NA | |

Leasing: Am

Maps: _____

GIS: MC

Scanlab: _____

M
F
1
1
6
6
1
1

F1093817

Contents of Mineral File Number: M-116611

1. Ltr. From Clerk Jobe 7/23/14
2. Bonus 7/23/14
3. Pooling Agrmt Packet # 6882
Scamardo Grime LP Unit 8/6/14
4. Ltr. to Clerk Jobe 8/6/14

Scanned SM 12/10/14

5. Well records 185-30847 3/14/16
scanned PJ 4-1-16

6. Division Order 7816

scanned PJ ~~9-10-16~~ 9-10-16

7. Consent to Assign
to E TX 5-22-18

scanned PJ 5-24-2018

8. (See MF 116473, Assign # 10667
Marlin to E TX 9-14-18)

scanned PJ 9-24-2018

**McELROY, SULLIVAN, MILLER,
WEBER & OLMSTEAD, L.L.P.**
Attorneys at Law

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July 23, 2014

Mr. J. Daryl Morgan, CPL
Energy Resources Division
Texas General Land Office
Stephen F. Austin Building, 8th Floor
1700 No. Congress Avenue
Austin, Texas 78701-1495

Re: Pooling Agreement
Marlin Energy Resources, LLC
Scamardo Grimes LP
M-116611 — Unit 6882
Grimes & Brazos Counties, Texas

Dear Mr. Morgan:

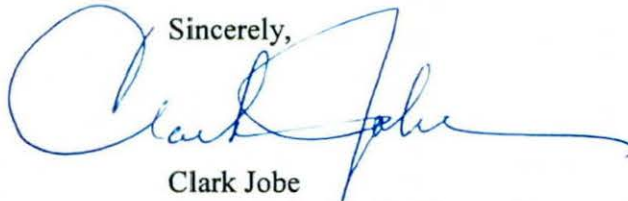
Enclosed are two originals of the Pooling Agreement executed by Marlin Energy Resources, LLC to pool 543.56 acres in Grimes & Brazos Counties, Texas into the Scamardo Grimes LP.

In addition to the pooling agreements is a check number 005872 in the amount of \$4,924.00 for payment of consideration in lieu of bonus.

If you will please return a fully-executed original to me, I will forward it to Marlin Energy Resources, LLC.

Thank you for your assistance with this pooling agreement. Please let me know if I can provide additional information regarding this application.

Sincerely,



Clark Jobe
Attorney for Marlin Energy Resources, LLC

Enclosures

①

File No. M-116611
Ltr. From Clark Jobe

Date Filed: 7/23/14
Jerry E. Patterson, Commissioner

By [Signature]

| | | VENDOR | CHECK DATE | | |
|----------------|--------------|--|------------|----------------|-------------|
| | | COM009 | 07/16/14 | | |
| INVOICE NUMBER | INVOICE DATE | | | DISCOUNT TAKEN | AMOUNT PAID |
| 07/15/14 | 07/15/14 | 106295 | | \$0.00 | \$4,924.00 |
| | | Paymt Bonus-Pooling Authority-Navasota River | | \$0.00 | \$4,924.00 |
| | | Total: | | \$0.00 | \$4,924.00 |

f
121

RECEIVED
JUL 23 2014

(2)

File No.

M-116611

Bonus

Date Filed:

8/6/14

Jerry E. Patterson, Commissioner

By

RECEIVED

2014

DO NOT DESTROY



**Texas General Land Office
UNIT AGREEMENT MEMO**

UPA148209

Unit Number 6882
 Operator Name Marlin Energy Southwest GP L L C Effective Date 07/01/2014
 Customer ID C000047516 Unitized For Oil And Gas
 Unit Name Scamardo Grimes LP Unit Unit Term
 County 1 Brazos RRC District 1 03 Old Unit Number Inactive Status Date
 County 2 Grimes RRC District 2 03
 County 3 RRC District 3
 County 4 RRC District 4
 Unit type Permanent
 State Net Revenue Interest 0.00566175
 State Part in Unit 0.02264699
 Unit Depth Specified Depths Well
 From Depth 9084 Formation Top of Woodbine to Base of Woodbine
 To Depth 9839 Participation Basis Surface Acreage
 If Excluions Apply: See Remarks

| Lease Number | Tract No | Lease Acres in Unit | Total Unit Acres | Tract Participation | Lease Royalty | Tract Royalty Participation | Royalty Rate Reduction Clause |
|--------------|----------|---------------------|------------------|---------------------|---------------|-----------------------------|-------------------------------|
| MF116611 | 1 | 12.310000 | 543.560000 | 0.022647 | 0.25000000 | 0.005662 | No |

API Number
4218530847 ✓

Remarks: 52.076 of the Navasota River

Prepared By: MB
 GLO Base Updated By: MB
 RAM Approval By: JD
 GIS By: MC
 Well Inventory By: MB

Prepared Date: 7/7/14
 GLO Base Date: 7/7/14
 RAM Approval Date: 7/8/14
 GIS Date: B-19-14
 WI Date: 7/7/14

Pooling Committee Report

To: School Land Board UPA148209
Date of Board Meeting: 07/01/2017 Unit Number: 6882
Effective Date: 07/01/2014
Unit Expiration Date:
Applicant: Marlin Energy Resources, LLC
Attorney Rep: Clark Jobe
Operator: Marlin Energy Resources, LLC, Lafayette
Unit Name: Scamardo Grimes LP Unit
Field Name: Madisonville, W. (Woodbine)

County: Brazos
 Grimes

| <u>Lease Type</u> | <u>Lease Number</u> | <u>Lease Royalty</u> | <u>Expiration Date</u> | <u>Lease Term</u> | <u>Lease Acres</u> | <u>Lease Acres In Unit</u> | <u>Royalty Participation</u> |
|-------------------|---------------------|----------------------|------------------------|-------------------|--------------------|----------------------------|------------------------------|
| 52.076 | MF116611 | 0.25000000 | | 1 years | 12.310000 | 12.310000 | 0.00566175 |

A part of the Navasota River is being pooled pursuant to Texas Natural Resource Code 52.076.

| | |
|--------------------------|------------|
| Private Acres: | 531.250000 |
| State Acres: | 12.310000 |
| Total Unit Acres: | 543.560000 |

| | |
|------------------------------------|-----------------|
| Participation Basis: | Surface Acreage |
| Surface Acreage | |
| State Acreage: | 2.26% |
| State Net Revenue Interest: | 0.57% |

| | |
|-------------------|----------------------|
| Unit Type: | Unitized for: |
| Permanent | Oil And Gas |
| Term: | |

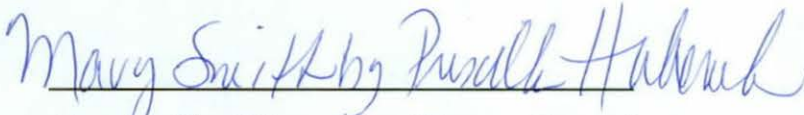
| | |
|-------------------|-----------------------|
| RRC Rules: | Spacing Acres: |
| Yes | 160 + Rule 86 |

REMARKS:

- Marlin Energy Resources, LLC is requesting permanent oil and gas pooling from the top to the base of the Woodbine formation, which is the stratigraphic equivalent of 9,084 feet to 9,839 feet MD as seen in the Lands #18 well log, API 42-185-30294.
- The applicant plans to spud its first unit well in the beginning of July, 2014, with a proposed total depth of 8,978 feet TVD.
- To compensate the State for lost lease bonus on the unleased Navasota River acreage, applicant has agreed to pay the Permanent School Fund \$400.00 per net mineral acre, which is \$4,924.00
- With Board approval, the State's unit royalty participation will be 0.57%. State unit royalty participation may change slightly based on final survey results.
- The State will participate on a unitized basis from the date of first production.

POOLING COMMITTEE RECOMMENDATION:

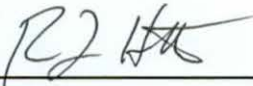
The Pooling Committee recommends Board approval of a permanent oil and gas unit under the above-stated provisions.



Mary Smith - Office of the Attorney General

6/18/2014

Date



Robert Hatter - General Land Office

6/18/14

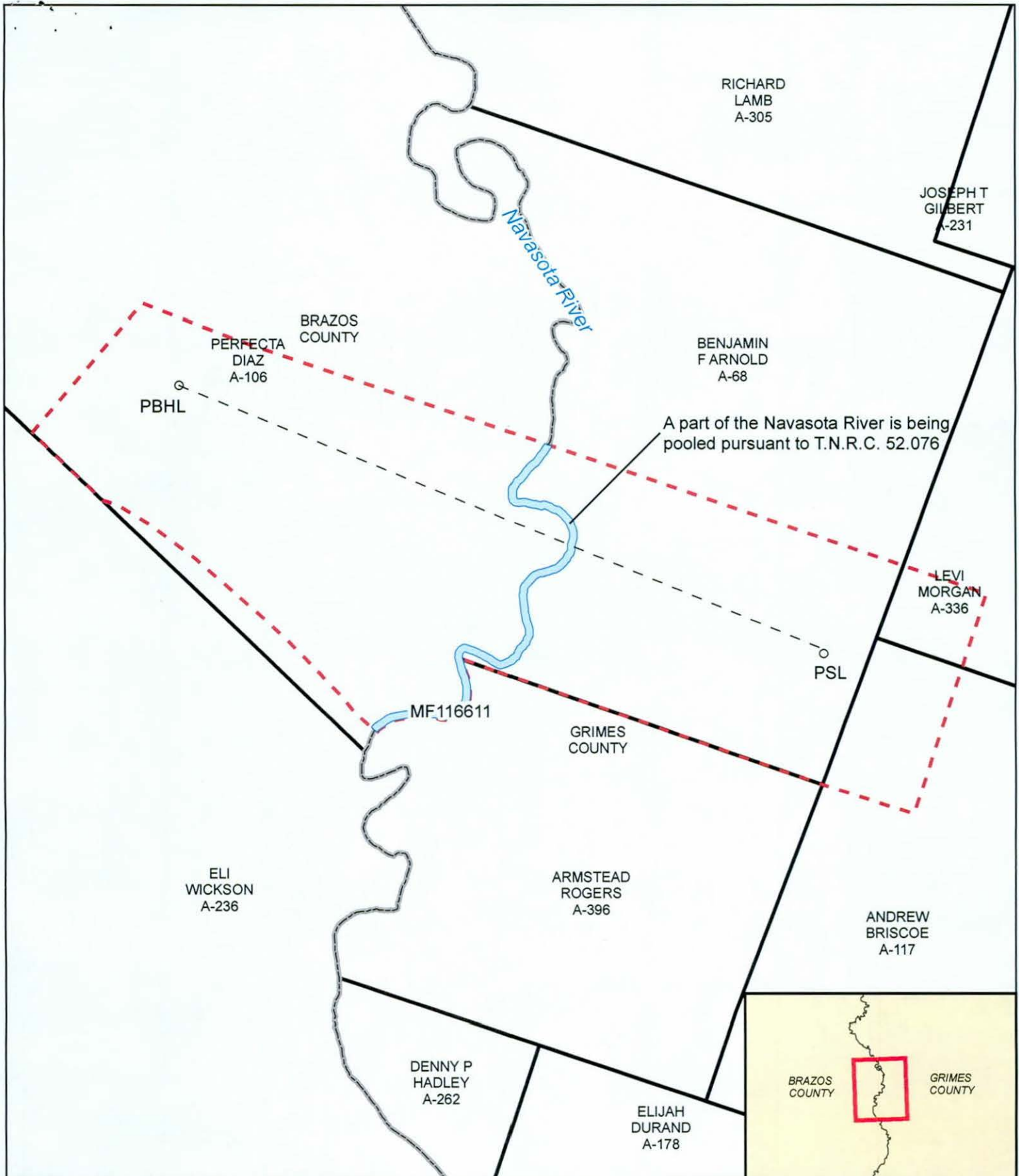
Date



David Zimmerman - Office of the Governor

6/18/14

Date



Unit #6882
 Marlin Resources, LLC
 Scamardo Grimes LP Unit
 Madisonville, West (Woodbine - A) Field
 Grimes & Brazos Counties, Texas



1,500 750 0 1,500 Feet

The Texas General Land Office makes no representations or warranties regarding the accuracy or completeness of the information depicted on this map or the data from which it was produced. This map IS NOT suitable for navigational purposes and does not purport to depict or establish boundaries between private and public land.



Map Generated by:
 Mark Conway
 IS/BAS/GIS
 July 2014

**POOLING AGREEMENT PURSUANT TO TNRC § 52.076
STATE OF TEXAS / MARLIN ENERGY RESOURCES, LLC
SCAMARDO GRIMES LP UNIT
M-116611 – GLO UNIT NO. 6882
BRAZOS AND GRIMES COUNTIES, TEXAS**

THIS AGREEMENT ("Agreement") is made and entered into effective July 1 2014, by and between the Commissioner of the General Land Office of the State of Texas ("State"), and Marlin Energy Resources, LLC ("Marlin").

WITNESSETH THAT:

WHEREAS, the State owns the minerals under approximately 12.31 acres of the Navasota River contained within the boundaries of the 543.56-acre Scamardo Grimes LP Unit ("Unit") said 12.31 acres being hereinafter referred to as the ("unleased interest"); and

WHEREAS, pursuant to Texas Natural Resources Code §52.076(a)(4), the School Land Board has authority to pool unleased river beds and channels owned by the State; and

WHEREAS, Marlin and the State desire to pool the above-referenced unleased interest into said Unit; and

WHEREAS, the School Land Board at its regular meeting on July 1, 2014, determined that pooling said unleased interest for oil and gas produced from the Woodbine Formation as more particularly described on Exhibit "2" is in the best interest of the State.

NOW, THEREFORE, in consideration of the payment to the State of \$4,924.00 and the mutual agreements hereinafter set forth and together with other valuable consideration, the receipt and sufficiency of which are hereby acknowledged and confessed, and for the purposes and upon the terms and conditions contained herein, the parties hereto agree as follows:

1. This Agreement is entered into pursuant to the authority granted in Chapter 52, of the Texas Natural Resources Code and Chapter 9 of Title 31 of the Texas Administrative Code and is intended to be performed pursuant to and in compliance with all applicable statutes, decisions, regulations, rules, orders and directives of any governmental agency having jurisdiction over the production and conservation of minerals from the Unit and in the interpretation and application hereof this Agreement shall be, in all things, subject thereto.

2. The State and Marlin agree that nothing herein shall be construed as granting a leasehold interest to Marlin in the unleased interest, but rather this Agreement affects a contractual pooling of interests with the respective rights and duties of the parties defined in paragraph 3, below.

3. The rights and duties of the State and Marlin with respect to the unleased interest within the boundaries of the Unit shall be established, governed and controlled by the terms, conditions and covenants contained in Exhibit "1" and Exhibit "2" attached hereto and incorporated herein, wherein the State shall be considered the Lessor and Marlin the Lessee and the State shall receive its share of unit production in the form of a royalty as provided in Exhibit "1" and allocated to the State as provided in Exhibit "2", with no obligation to the State for operating costs of any kind, including but not limited to exploring, drilling, equipping, completion, treating, transporting, marketing, plugging, abandonment or restoration.

4. This Agreement shall remain in effect for a term of one year from the effective date (herein called "primary term") and so long as the pooled mineral is being produced in paying quantities from the Unit, or so long as this Agreement is maintained in force by payment of shut-in oil or gas well royalties on a unit well, by drilling or rework operations on a unit well, or by other means in accordance with the terms of Exhibit "1" to this Agreement, or so long as the instrument creating the Unit remains in effect; provided that this Agreement shall automatically terminate on the date production of the pooled mineral ceases and there are no further operations on the Unit to re-establish production of the pooled mineral, even though the instrument creating the pooled unit may remain in effect because a dissolution of unit has not been filed of record.

5. Inasmuch as the parties may not be able conveniently to execute one original hereof, it is agreed that a counterpart hereof may be executed by each party to this Agreement, each of which shall be considered an original, and all of said counterparts shall be construed together as one instrument.

6. The terms and provisions hereof shall extend to and be binding upon the heirs, legal representatives, successors, and assigns of the parties hereto.

7. This Agreement is to be performed in the State of Texas, and the substantive laws of the State of Texas will govern the validity, construction and enforcement of this Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement upon the respective dates indicated below.

Date Executed 7/29/14

STATE OF TEXAS

legal [Signature]
leas. [Signature]
cont. [Signature]
exec. [Signature]

[Signature]
Jerry E. Patterson, Commissioner
General Land Office

Date Executed July 21, 2014

MARLIN ENERGY RESOURCES, LLC

By: [Signature]
F. Michael Lipari
Its: Land Manager

LOUISIANA
STATE OF ~~TEXAS~~
PARISH
COUNTY OF LAFAYETTE

This instrument was acknowledged before me on July 21, 2014, by F. MICHAEL LIPARI as Land Manager of Marlin Energy Resources, LLC, a Delaware limited liability company, on behalf of said company.

[Signature]
Notary Public in and for the State of ~~Texas~~ LOUISIANA
Elizabeth G. Benoit
Notary ID 013244

CERTIFICATE

I, Stephanie Crenshaw, Secretary of the School Land Board of the State of Texas, do hereby certify that at a meeting of the School Land Board duly held on July 1, 2014, the foregoing instrument was approved by said Board under the provisions of Chapter 52 of the Natural Resources Code all of which is set forth in the Minutes of the Board of which I am custodian.

IN TESTIMONY WHEREOF, witness my hand this the 5th day of August, 2014.

[Signature]
Secretary of the School Land Board

EXHIBIT "1"

§52.076 Exhibit 1, Revised 3/07

1. RESERVATION AND GRANT: There is hereby excepted and reserved to Lessor the full use of the property covered hereby and all rights with respect to the surface and subsurface thereof for any and all purposes except those granted to Lessee, being the right to explore for, drill and produce the pooled mineral from the pooled area, and Lessor further reserves the rights of ingress and egress and use of said lands by Lessor and its mineral lessees, for purposes of exploring for and producing the minerals and zones which are not covered by this Agreement. All of the rights in and to the pooled area retained by Lessor and all of the rights in and to the pooled area granted to Lessee herein shall be exercised in such a manner that neither shall unduly interfere with the operations of the other.

2. PRODUCTION ROYALTIES: Upon production of the pooled mineral Lessee agrees to pay or cause to be paid to the Commissioner of the General Land Office in Austin, Texas, for the use and benefit of the State of Texas, during the term hereof:

(A) OIL: As a royalty on oil, which is defined as including all hydrocarbons produced in a liquid form at the mouth of the well and also all condensate, distillate, and other liquid hydrocarbons recovered from oil or gas run through a separator or other equipment, as hereinafter provided, 1/4 part of the gross production or the market value thereof, at the option of the Lessor, such value to be determined by 1) the highest posted price, plus premium, if any, offered or paid for oil, condensate, distillate, or other liquid hydrocarbons, respectively, of a like type and gravity in the general area where produced and when run, or 2) the highest market price thereof offered or paid in the general area where produced and when run, or 3) the gross proceeds of the sale thereof, whichever is the greater. Lessee agrees that before any gas produced from the land hereby pooled is sold, used or processed in a plant, it will be run free of cost to Lessor through an adequate oil and gas separator of conventional type or other equipment at least as efficient to the end that all liquid hydrocarbons recoverable from the gas by such means will be recovered. Upon written consent of Lessor, the requirement that such gas be run through such a separator or other equipment may be waived upon such terms and conditions as prescribed by Lessor.

(B) NON-PROCESSED GAS: As a royalty on any gas (including flared gas), which is defined as all hydrocarbons and gaseous substances not defined as oil in subparagraph (A) above, produced from any well on said land (except as provided herein with respect to gas processed in a plant for the extraction of gasoline, liquid hydrocarbons or other products) 1/4 part of the gross production or the market value thereof, at the option of the Lessor, such value to be based on the highest market price paid or offered for gas of comparable quality in the general area where produced and when run, or the gross price paid or offered to the producer, whichever is greater provided that the maximum pressure base in measuring the gas under this agreement contract shall not at any time exceed 14.65 pounds per square inch absolute, and the standard base temperature shall be sixty (60) degrees Fahrenheit, correction to be made for pressure according to Boyle's Law, and for specific gravity according to test made by the Balance Method or by the most approved method of testing being used by the industry at the time of testing.

(C) PROCESSED GAS: As a royalty on any gas processed in a gasoline plant or other plant for the recovery of gasoline or other liquid hydrocarbons, 1/4 part of the residue gas and the liquid hydrocarbons extracted or the market value thereof, at the option of the Lessor. All royalties due herein shall be based on one hundred percent (100%) of the total plant production of residue gas attributable to gas produced from this agreement, and on fifty percent (50%) or that percent accruing to Lessee, whichever is the greater, of the total plant production of liquid hydrocarbons, attributable to the gas produced from this agreement; provided that if liquid hydrocarbons are recovered from gas processed in a plant in which Lessee (or its parent, subsidiary or affiliate) owns an interest, then the percentage applicable to liquid hydrocarbons shall be fifty percent (50%) or the highest percent accruing to a third party processing gas through such plant under a processing agreement negotiated at arms' length (or if there is no such third party, the highest percent then being specified in processing agreements or contracts in the industry), whichever is the greater. The respective royalties on residue gas and on liquid hydrocarbons shall be determined by 1) the highest market price paid or offered for any gas (or liquid hydrocarbons) of comparable quality in the general area or 2) the gross price paid or offered for such residue gas (or the weighted average gross selling price for the respective grades of liquid hydrocarbons), whichever is the greater. In no event, however, shall the royalties payable under this paragraph be less than the royalties which would have been due had the gas not been processed.

(D) OTHER PRODUCTS: As a royalty on carbon black, sulphur or any other products produced or manufactured from gas (excepting liquid hydrocarbons) whether said gas be "casinghead," "dry" or any other gas, by fractionating, burning or any other processing, 1/4 part of gross production of such products, or the market value thereof, at the option of Lessor, such market value to be determined as follows:

- (1) On the basis of the highest market price of each product, during the same month in which such product is produced, or
- (2) On the basis of the average gross sale price of each product for the same month in which such products are produced, whichever is the greater.

(E) NO DEDUCTIONS: Lessee agrees that all royalties accruing to Lessor under this agreement shall be without deduction for the cost of producing, transporting, and otherwise making the oil, gas and other products produced hereunder ready for sale or use.

(F) ROYALTY IN KIND: Notwithstanding anything contained herein to the contrary, Lessor may, at its option, upon not less than 60 days notice to Lessee, require at any time or from time to time that payment of all or any royalties accruing to Lessor under this agreement be made in kind without deduction for the cost of producing, gathering, storing, separating, treating, dehydrating, compressing, processing, transporting and otherwise making the oil, gas and other products produced hereunder ready for sale or use. Lessor's right to take its royalty in kind shall not diminish or negate Lessor's rights or Lessee's obligations, whether express or implied, under this agreement.

(G) PLANT FUEL AND RECYCLED GAS: No royalty shall be payable on any gas as may represent this agreement's proportionate share of any fuel used to process gas produced hereunder in any processing plant. Notwithstanding anything contained herein to the contrary, and subject to the consent in writing of the General Land Office, Lessee may recycle gas for gas lift purposes on the pooled area after the liquid hydrocarbons contained in the gas have been removed, and no royalties shall be payable on the gas so recycled until such time as the same may thereafter be produced and sold or used by Lessee in such manner as to entitle Lessor to a royalty thereon under the royalty provisions of this agreement.

(H) MINIMUM ROYALTY: The royalties paid to Lessor each year in no event shall be less than \$5.00 per acre pooled; otherwise, there shall be due and payable on or before the last day of the month succeeding the anniversary date of first production a sum equal to \$5.00 per acre pooled less the amount of royalties paid during the preceding year.

3. ROYALTY PAYMENTS AND REPORTS: All royalties not taken in kind shall be paid to the Commissioner of the General Land Office at Austin, Texas, in the following manner: Payment of royalty on production of oil and gas shall be as provided in the rules set forth in the Texas Register. Rules currently provide that royalty on oil is due and must be received in the General Land Office on or before the 5th day of the second month succeeding the month of production, and royalty on gas is due and must be received in the General Land Office on or before the 15th day of the second month succeeding the month of production, accompanied by the affidavit of the owner, manager or other authorized agent, completed in the form and manner prescribed by the General Land Office and showing the gross amount and disposition of all oil and gas produced and the market value of the oil and gas, together with a copy of all documents, records or reports confirming the gross production, disposition and market value including gas meter readings, pipeline receipts, gas line receipts and other checks or memoranda of amount produced and put into pipelines, tanks, or pools and gas lines or gas storage, and any other reports or records which the General Land Office may require to verify the gross production, disposition and market value. In all cases the authority of a manager or agent to act for the Lessee herein must be filed in the General Land Office. Each royalty payment shall be accompanied by a check stub, schedule, summary or other remittance advice showing by the assigned General Land Office lease number the amount of royalty being paid to each lease number. If Lessee pays his royalty on or before thirty (30) days after the royalty payment was due, then Lessee owes a penalty of 5% on the royalty or \$25.00, whichever is greater. A royalty payment which is over thirty (30) days late shall accrue a penalty of 10% of the royalty due or \$25.00 whichever is greater. In addition to a penalty, royalties shall accrue interest at a rate of 12% per year; such interest will begin accruing when the royalty is sixty (60) days overdue. Affidavits and supporting documents which are not filed when due shall incur a penalty in an amount set by the General Land Office administrative rule which is effective on the date when the affidavits or supporting documents were due. The Lessee shall bear all responsibility for paying or causing royalties to be paid as prescribed by the due date provided herein. Payment of the delinquency penalty shall in no way operate to prohibit the State's right of forfeiture as provided by law nor act to postpone the date on which royalties were originally due. The above penalty provisions shall not apply in cases of title dispute as to the State's portion of the royalty or to that portion of the royalty in dispute as to fair market value.

4. (A) RESERVES, CONTRACTS AND OTHER RECORDS: Lessee shall annually furnish the Commissioner of the General Land Office with its best possible estimate of pooled mineral reserves underlying the pooled area and shall furnish said Commissioner with copies of all contracts under which gas is sold or processed and all subsequent agreements and amendments to such contracts within thirty (30) days after entering into or making such contracts, agreements or amendments. Such contracts and agreements when received by the General Land Office shall be held in confidence by the General Land Office unless otherwise authorized by Lessee. All other contracts and records pertaining to the production, transportation, sale and marketing of the pooled

mineral produced from the pooled area, including the books and accounts, receipts and discharges of all wells, tanks, pools, meters, and pipelines shall at all times be subject to inspection and examination by the Commissioner of the General Land Office, the Attorney General, the Governor, or the representative of any of them.

(B) DRILLING RECORDS: Written notice of all operations on the pooled unit shall be submitted to the Commissioner of the General Land Office by Lessee or operator five (5) days before spud date, workover, re-entry, temporary abandonment or plug and abandonment of any well or wells. Such written notice to the General Land Office shall include copies of Railroad Commission forms for application to drill. Copies of well tests, completion reports and plugging reports shall be supplied to the General Land Office at the time they are filed with the Texas Railroad Commission. Lessee shall supply the General Land Office with any records, memoranda, accounts, reports, cuttings and cores, or other information relative to the operation of the above-described premises, which may be requested by the General Land Office, in addition to those herein expressly provided for. Lessee shall send a true copy of all logs on each unit well to the General Land Office within fifteen (15) days after the making of said log.

(C) PENALTIES: Lessee shall incur a penalty whenever reports, documents or other materials are not filed in the General Land Office when due. The penalty for late filing shall be set by the General Land Office administrative rule which is effective on the date when the materials were due in the General Land Office.

5. OFFSET WELLS: If the pooled mineral should be produced in commercial quantities from a well located on land privately owned or on State land leased at a lesser royalty, which well is within one thousand (1,000) feet of the area included herein, or which well is draining the area covered by this agreement, the Lessee shall, within sixty (60) days after such initial production from the draining well or the well located within one thousand (1,000) feet from the area covered by this agreement begin in good faith and prosecute diligently the drilling of an offset well on the area covered by this agreement, and such offset well shall be drilled to such depth as may be necessary to prevent the undue drainage of the area covered by this agreement, and the Lessee, manager or driller shall use all means necessary in a good faith effort to make such offset well produce oil and/or gas in commercial quantities. Only upon the determination of the Commissioner and with his written approval, may the payment of a compensatory royalty satisfy the obligation to drill an offset well or wells required under this Paragraph.

6. DRILLING AND REWORKING AT EXPIRATION OF PRIMARY TERM: If, at the expiration of the primary term, the pooled mineral is not being produced from the pooled area, but Lessee is then engaged in drilling or reworking operations thereon, this agreement shall remain in force so long as operations on said well or for drilling or reworking of any additional wells are prosecuted in good faith and in workmanlike manner without interruptions totaling more than sixty (60) days during any one such operation, and if they result in the production of oil and/or gas, so long thereafter as oil and/or gas is produced in paying quantities from said land, or payment of shut-in oil or gas well royalties or compensatory royalties is made as provided in this agreement.

7. CESSATION, DRILLING, AND REWORKING: If at the end of, or after the primary term, production of the pooled mineral should cease from any cause, this agreement shall not terminate if Lessee re-establishes production in paying quantities within sixty (60) days after such cessation or commences additional drilling or reworking operations within sixty (60) days after such cessation, and this agreement shall remain in full force and effect for so long as such operations continue in good faith and in workmanlike manner without interruptions totaling more than sixty (60) days. For a cessation of production prior to the end of the primary term, Lessee may use the expiration of the primary term as the date of cessation of production. If such drilling or reworking operations result in the production of the pooled mineral, the agreement shall remain in full force and effect for so long as the pooled mineral is produced from the pooled unit in paying quantities or payment of shut-in oil or gas well royalties or payment of compensatory royalties is made as provided herein or as provided by law. If the drilling or reworking operations result in the completion of a well as a dry hole, this agreement will not terminate if the Lessee commences additional drilling or reworking operations within sixty (60) days after the completion of the well as a dry hole, and this agreement shall remain in effect so long as Lessee continues drilling or reworking operations in good faith and in a workmanlike manner without interruptions totaling more than sixty (60) days. Lessee shall give written notice to the General Land Office within thirty (30) days of any cessation of production.

8. SHUT-IN ROYALTIES: For purposes of this paragraph, "well" means any well that has been assigned a well number by the state agency having jurisdiction over the production of oil and gas. If at any time after the end of the primary term, a well capable of producing the pooled mineral in paying quantities is located on the pooled area, but the pooled mineral is not being produced for lack of suitable production facilities or lack of a suitable market, then Lessee may pay as a shut-in oil or gas royalty an amount equal to \$10.00 per acre pooled, but not less than \$1,200 for each well capable of producing the pooled mineral in paying quantities. To be effective, each initial shut-in oil or gas royalty must be paid on or before: (1) the expiration of the primary term (2) 60 days after the Lessee ceases to produce the pooled mineral from the pooled area, or (3) 60 days after Lessee completes a drilling or reworking operation in accordance with the terms of this agreement, whichever date is latest. If the shut-in oil or gas royalty is paid, this agreement shall be considered to be a producing agreement and the payment shall extend the term of the agreement for a period of one year from the first day of the month following the month in which production ceased, and, after that, if no suitable production facilities or suitable market for the pooled mineral exists, Lessee may extend this agreement for four more successive periods of one (1) year by paying the same amount each year on or before the expiration of each shut-in year.

9. COMPENSATORY ROYALTIES: If, during the period the agreement is kept in effect by payment of the shut-in oil or gas royalty, the pooled mineral is sold and delivered in paying quantities from a well located within one thousand (1,000) feet of the pooled area and completed in the same producing reservoir, or in any case in which drainage of the pooled mineral is occurring, the right to continue to maintain the agreement by paying the shut-in oil or gas royalty shall cease, but the agreement shall remain effective for the remainder of the year for which the royalty has been paid. The Lessee may maintain the agreement for four more successive years by Lessee paying compensatory royalty at the royalty rate provided in this agreement of the market value of production from the well causing the drainage or which is completed in the same producing reservoir and within one thousand (1,000) feet of the pooled area. The compensatory royalty is to be paid monthly to the Commissioner beginning on or before the last day of the month following the month in which the pooled mineral is produced from the well causing the drainage or that is completed in the same producing reservoir and located within one thousand (1,000) feet of the pooled area; if the compensatory royalty paid in any 12-month period is in an amount less than the annual shut-in oil or gas royalty, Lessee shall pay an amount equal to the difference within thirty (30) days from the end of the 12-month period; and none of these provisions will relieve Lessee of the obligation of reasonable development nor the obligation to drill offset wells as provided in N.R.C. Section 52.034; however, at the determination of the Commissioner, and with the Commissioner's written approval, the payment of compensatory royalties shall satisfy the obligation to drill offset wells. Compensatory royalty payments, which are not timely paid, will accrue penalty and interest in accordance with Paragraph 3 of this agreement.

10. USE OF WATER; SURFACE: Lessee shall have the right to use water produced on said land necessary for operations hereunder and solely upon the pooled area; provided, however, Lessee shall not use potable water or water suitable for livestock or irrigation purposes for water flood operations without the prior written consent of Lessor. Subject to its obligation to pay surface damages, Lessee shall have the right to use so much of the surface of the land that may be reasonably necessary for drilling and operating wells and transporting and marketing the production therefrom, such use to be conducted under conditions of least injury to the surface of the land.

11. POLLUTION: In developing this pooled area, Lessee shall use the highest degree of care and all proper safeguards to prevent pollution. Without limiting the foregoing, pollution of coastal wetlands, natural waterways, rivers and impounded water shall be prevented by the use of containment facilities sufficient to prevent spillage, seepage or ground water contamination. In the event of pollution, Lessee shall use all means at its disposal to recapture all escaped hydrocarbons or other pollutant and shall be responsible for all damage to public and private properties.

(A) Lessee shall build and maintain fences around its slush, sump, and drainage pits and tank batteries so as to protect livestock against loss, damage or injury; and upon completion or abandonment of any well or wells, Lessee shall fill and level all slush pits and cellars and completely clean up the drilling site of all rubbish thereon.

(B) No discharge of solid waste or garbage shall be allowed into State waters from any drilling or support vessels, production platform, crew or supply boat, barge, jack-up rig or other equipment located on the pooled area. Solid waste shall include but shall not be limited to containers, equipment, rubbish, plastic, glass, and any other man-made non-biodegradable items. A sign must be displayed in a high traffic area on all vessels and manned platforms stating, "Discharge of any solid waste or garbage into State Waters from vessels or platforms is strictly prohibited and may subject this agreement to forfeiture." Such statement shall be in lettering of at least 1" in size.

(C) PENALTY: Failure to comply with the requirements of this provision may result in the maximum penalty allowed by law including forfeiture of the agreement. Lessee shall be liable for the damages caused by such failure and any costs and expenses incurred in cleaning areas affected by the discharged waste.

12. IDENTIFICATION MARKERS: Lessee shall erect, at a distance not to exceed twenty-five (25) feet from each well on the premises covered by this agreement, a legible sign on which shall be stated the name of the operator, the State Lease Number designation and the well number. Where two or more wells on the same lease or where wells on two or more leases are

connected to the same tank battery, whether by individual flow line connections direct to the tank or tanks or by use of a multiple header system, each line between each well and such tank or header shall be legibly identified at all times, either by a firmly attached tag or plate or an identification properly painted on such line at a distance not to exceed three (3) feet from such tank or header connection. Said signs, tags, plates or other identification markers shall be maintained in a legible condition throughout the term of this agreement.

13. ASSIGNMENTS: The agreement may be transferred at any time; provided, however, that the liability of the transferor to properly discharge its obligation under the agreement, including properly plugging abandoned wells, removing platforms or pipelines, or remediation of contamination at drill sites shall pass to the transferee upon the prior written consent of the Commissioner of the General Land Office. The Commissioner may require the transferee to demonstrate financial responsibility and may require a bond or other security. All assignments must reference this agreement by the State Lease Number and must be recorded in the county where the pooled area is located, and the recorded assignment or a copy certified to by the County Clerk of the county where the transfer is recorded must be filed in the General Land Office within ninety (90) days of the execution date, as provided by N.R.C. Section 52.026, accompanied by the filing fee prescribed by the General Land Office rules in effect on the date of receipt by the General Land Office of such assignment or certified copy thereof. Every transferee shall succeed to all rights and be subject to all obligations, liabilities, and penalties owed to the State by the original lessee or any prior transferee of the agreement, including any liabilities to the state for unpaid royalties.

14. LIEN: In accordance with N.R.C. Section 52.136, the State shall have a first lien upon all of the pooled mineral produced from the unit to secure payment of all unpaid royalty and other sums of money that may become due under this agreement. By acceptance of this agreement, Lessee grants the State, in addition to the lien provided by N.R.C. Section 52.136 and any other applicable statutory lien, an express contractual lien on and security interest in all pooled minerals in and extracted from the pooled area, all proceeds which may accrue to Lessee from the sale of such minerals, whether such proceeds are held by Lessee or by a third party, and all fixtures on and improvements to the pooled area used in connection with the production or processing of such minerals in order to secure the payment of all royalties or other amounts due or to become due under this agreement and to secure payment of any damages or loss that Lessor may suffer by reason of Lessee's breach of any covenant or condition of this agreement, whether express or implied. This lien and security interest may be foreclosed with or without court proceedings in the manner provided in the Title 1, Chapter 9 of the Texas Business and Commerce Code. Lessee agrees that the Commissioner may require Lessee to execute and record such instruments as may be reasonably necessary to acknowledge, attach or perfect this lien. Lessee hereby represents that there are no prior or superior liens arising from and relating to Lessee's activities upon the above-described property or from Lessee's pooling of the area. Should the Commissioner at any time determine that this representation is not true, then the Commissioner may declare this agreement forfeited as provided herein.

15. FORFEITURE: If Lessee shall fail or refuse to make the payment of any sum within thirty (30) days after it becomes due, or if Lessee or an authorized agent should knowingly make any false return or false report concerning production or drilling, or if Lessee shall fail or refuse to drill any offset well or wells in good faith as required by law and the rules and regulations adopted by the Commissioner of the General Land Office, or if Lessee should fail to file reports in the manner required by law or fail to comply with rules and regulations promulgated by the General Land Office, the School Land Board, or the Railroad Commission, or refuse the proper authority access to the records pertaining to operations, or if Lessee or an authorized agent should knowingly fail or refuse to give correct information to the proper authority, or knowingly fail or refuse to furnish the General Land Office a correct log of any well, or if Lessee shall knowingly violate any of the material provisions of this agreement, or if this agreement is assigned and the assignment is not filed in the General Land Office as required by law, the rights acquired under this agreement shall be subject to forfeiture by the Commissioner, and he shall forfeit same when sufficiently informed of the facts which authorize a forfeiture, and when forfeited the area shall again be subject to lease or pooling. However, nothing herein shall be construed as waiving the automatic termination of this agreement by operation of law or by reason of any special limitation arising hereunder. Forfeitures may be set aside and this agreement and all rights thereunder reinstated before the rights of another intervene upon satisfactory evidence to the Commissioner of the General Land Office of future compliance with the provisions of the law and of this agreement and the rules and regulations that may be adopted relative hereto.

16. RIVERBED TRACTS: Lessee is hereby specifically granted the right of eminent domain and condemnation as provided for in N.R.C. Sections 52.092-52.093, as a part of the consideration moving to Lessor for the covenants herein made by Lessee.

17. APPLICABLE LAWS AND DRILLING RESTRICTIONS: This agreement shall be subject to all rules and regulations, and amendments thereto, promulgated by the Commissioner of the General Land Office governing drilling and producing operations on Permanent Free School Land (specifically including any rules promulgated that relate to plans of operations), payment of royalties, and auditing procedures, and shall be subject to all other valid statutes, rules, regulations, orders and ordinances that may affect operations under the provisions of this agreement. Without limiting the generality of the foregoing, Lessee hereby agrees, by the acceptance of this agreement, to be bound by and subject to all statutory and regulatory provisions relating to the General Land Office's audit billing notice and audit hearings procedures. Said provisions are currently found at Texas Natural Resources Code Sections 52.135 and 52.137 through 52.140.

18. REMOVAL OF EQUIPMENT: Upon the termination of this agreement, Lessee shall not, in any event, be permitted to remove the casing or any part of the equipment from any producing, dry, or abandoned well or wells on State Land without the written consent of the Commissioner of the General Land Office or his authorized representative; nor shall Lessee, without the written consent of said Commissioner or his authorized representative remove from the pooled area the casing or any other equipment, material, machinery, appliances or property owned by Lessee and used by Lessee in the development and production of the pooled mineral therefrom until all dry or abandoned wells have been plugged and until all slush or refuse pits have been properly filled and all broken or discarded lumber, machinery, or debris shall have been removed from the premises to the satisfaction of the said Commissioner or his authorized representative.

19. FORCE MAJEURE: Should Lessee be prevented from complying with any express or implied covenant of this agreement, from conducting drilling operations thereon, or from producing the pooled mineral therefrom, after effort made in good faith, by reason of war, rebellion, riots, strikes, fires, acts of God or any order, rule or regulation of governmental authority, then while so prevented, Lessee's obligation to comply with such covenant shall be suspended upon proper and satisfactory proof presented to the Commissioner of the General Land Office in support of Lessee's contention and Lessee shall not be liable for damages for failure to comply therewith (except in the event of operations suspended as provided in the rules and regulations adopted by the School Land Board); and this agreement shall be extended while and so long as Lessee is prevented, by any such cause, from drilling, reworking operations or producing the pooled mineral from the pooled area; provided, however, that nothing herein shall be construed to suspend the or to abridge Lessee's right to a suspension under any applicable statute of this State.

20. SECURITY: Lessee shall take the highest degree of care and all proper safeguards to protect said premises and to prevent theft of oil, gas, and other hydrocarbons produced from the pooled area. This includes, but is not limited to, the installation of all necessary equipment, seals, locks, or other appropriate protective devices on or at all access points of the pooled area's production, gathering and storage systems where theft of hydrocarbons can occur. Lessee shall be liable for the loss of any hydrocarbons resulting from theft and shall pay the State of Texas royalties thereon as provided herein on all oil, gas or other hydrocarbons lost by reason of theft.

21. SUCCESSORS AND ASSIGNS: The covenants, conditions and agreements contained herein shall extend to and be binding upon the heirs, executors, administrators, successors or assigns of Lessee herein.

22. ANTIQUITIES CODE: In the event that any site, object, location, artifact or other feature of archaeological, scientific, educational, cultural, archeological or historical interest are encountered on Permanent School Fund Land during the activities authorized by this agreement, Lessee will immediately cease activities and will immediately notify the General Land Office (ATTN: Archaeologist, Asset Management Division, 1700 N. Congress Ave., Austin, Texas 78701) and the Texas Historical Commission (P.O. Box 12276, Austin, TX 78711) so that adequate measures may be undertaken to protect or recover such discoveries or findings, as appropriate. Lessee is expressly placed on notice of the National Historical Preservation Act of 1966 (PB-89-66, 80 Statute 915; 16 U.S.C.A. 470) and the Antiquities Code of Texas, Chapter 191, Tex. Nat. Code Ann. (Vernon 1993 & Supp. 1998).

23. VENUE: Lessor and lessee, hereby agree that venue for any dispute arising out of a provision of this agreement, whether express or implied, regarding interpretation of this agreement, or relating in any way to this agreement or to applicable case law, statutes, or administrative rules, shall be in a court of competent jurisdiction located in Travis County, State of Texas.

24. FILING: Pursuant to Chapter 9 of the Tex. Bus. & Com. Code, this agreement must be filed of record in the office of the County Clerk in any county in which all or any part of the pooled area is located, and recorded copies thereof must be filed in the General Land Office.

EXHIBIT "2"

PURPOSES:

1.

This Pooling Agreement ("Agreement") is made for the purposes of conservation and utilization of the pooled mineral, to prevent waste, to facilitate orderly development and to preserve correlative rights. To such end, it is the purpose of this Agreement to effect equitable participation within the unit. This Agreement is intended to be performed pursuant to and in compliance with all applicable statutes, decisions, regulations, rules, orders and directives of any governmental agency having jurisdiction over the production and conservation of the pooled mineral and in its interpretation and application shall, in all things, be subject thereto.

UNIT DESCRIPTION:

2.

The oil and gas leases, which are included within the pooled unit, are listed on the attached Exhibit "A", to which leases and the records thereof reference is here made for all pertinent purposes. The pooled unit shall consist of all of the lands described in Exhibit "B" attached hereto and made a part hereof insofar as said lands cover and include those depths described below as the unitized interval. A plat of the pooled unit is attached hereto as Exhibit "C".

MINERAL POOLED:

3.

The mineral pooled and unitized ("pooled mineral") hereby shall be oil and gas including all hydrocarbons that may be produced from an oil well or a gas well as such wells are recognized and designated by the Railroad Commission of Texas or other state regulatory agency having jurisdiction of the drilling and production of oil and gas wells. The pooled mineral shall extend to those depths underlying the surface boundaries of the pooled unit in the Woodbine Formation being defined as the stratigraphic interval or its correlative equivalent occurring from 9,084 feet MD to 9,839 feet MD as seen on the log of the Selected Lands #18 Well #1, API No. 42-185-30294 ("unitized interval").

POOLING AND EFFECT:

4.

The parties hereto commit all of their interests which are within the unit to the extent and as above described into said unit and unitize and pool hereunder the separate tracts described on the attached Exhibit "B", for and during the term hereof, so that such pooling or unitization shall have the following effect:

- (a) The unit, to the extent as above described, shall be operated as an entirety for the exploration, development and production of the pooled mineral, rather than as separate tracts.
- (b) All drilling operations, reworking or other operations with respect to the pooled mineral on land within the unit shall be considered as though the same were on each separate tract in the unit, regardless of the actual location of the well or wells thereon, for all purposes under the terms of the respective leases or other contracts thereon and this Agreement.
- (c) Production of the pooled mineral from the unit allocated to each separate tract, respectively, as hereinafter provided, shall be deemed to have been produced from each such separate tract in the unit, regardless of the actual location of the well or wells thereon, for all purposes under the terms of the respective leases or other contracts thereon and this Agreement.
- (d) All rights to the production of the pooled mineral from the unit, including royalties and other payments, shall be determined and governed by the lease or other contract pertaining to each separate tract, respectively, based upon the production so allocated to such tract only, in lieu of the actual production of the pooled mineral therefrom.
- (e) A shut-in oil or gas well located upon any land or lease included within said unit shall be considered as a shut-in oil or gas well located upon each tract or lease included within said unit.
- (f) If the Railroad Commission of Texas (or any other Texas regulatory body having jurisdiction) shall adopt special field rules providing for oil and/or gas proration units of less than 543.56 acres, then Lessee agrees to either (1) drill to the density permitted by the Railroad Commission, (2) make application to the School Land Board of the State of Texas to reform the unit to comply with Railroad Commission unit rules, or

(3) make application to the School Land Board of the State of Texas for such remedy as may be agreeable to the Board.

- (g) This Agreement shall not relieve Lessee from the duty of protecting the State lands within the boundaries of the pooled unit described in Exhibit "B" from drainage from any well situated on privately owned land, lying outside the unitized area described in Exhibit "B", but, subject to such obligation, Lessee may produce the allowable for the entire unit as fixed by the Railroad Commission of Texas or other lawful authority, from any one or more wells completed thereon.
- (h) There shall be no obligation to drill internal offsets to any other well on separate tracts within the pooled unit, nor to develop the lands within the boundaries thereof separately, as to the pooled mineral.

ALLOCATION OF PRODUCTION:

5.

For the purpose of computing the share of production of the pooled mineral to which each interest owner shall be entitled from the pooled unit, there shall be allocated to each tract committed to said unit that pro rata portion of the pooled mineral produced from the pooled unit which the number of surface acres covered by each such tract and included in the unit bears to the total number of surface acres included in said unit, and the share of production to which each interest owner is entitled shall be computed on the basis of such owner's interest in the production so allocated to each tract.

DISSOLUTION:

6.

The unit covered by this Agreement may be dissolved by Lessee, his heirs, successors or assigns, by an instrument filed for record in Brazos and Grimes Counties, Texas, and a certified copy thereof filed in the General Land Office at any time after the cessation of production on said unit or the completion of a dry hole thereon prior to production or upon such other date as may be approved by the School Land Board and mutually agreed to by the undersigned parties, their successors or assigns.

RATIFICATION/WAIVER:

7.

Nothing in this Agreement, nor the approval of this Agreement by the School Land Board, nor the execution of this Agreement by the Commissioner shall: (1) operate as a ratification or revivor of any State lease or Pooling Agreement that has expired, terminated, or has been released in whole or in part or terminated under the their terms or the laws applicable thereto; (2) constitute a waiver or release of any claim for money, oil, gas or other hydrocarbons, or other thing due to the State by reason of the existence or failure of such lease or Pooling Agreement; (3) constitute a waiver or release of any claim by the State that such lease or Pooling Agreement is void or voidable for any reason, including, without limitation, violations of the laws of the State with respect to such lease or Pooling Agreement or failure of consideration; (4) constitute a confirmation or recognition of any boundary or acreage of any tract or parcel of land in which the State has or claims an interest; or (5) constitute a ratification of, or a waiver or release of any claim by the State with respect to any violation of a statute, regulation, or any of the common laws of this State, or any breach of any contract, duty, or other obligation owed to the State.

EXHIBIT "A"

Attached to and made a part of that certain Pooling Agreement for the Marlin Energy Resources, LLC Scamardo Grimes, LP Unit, M-116611 – GLO Unit No. 6882 effective July 1, 2014.

1. Oil, Gas and Mineral Lease dated August 30, 1974, by and between W. B. Leonard, as Lessor, and Damson Oil Corporation, as Lessee, covering lands lying in the J. T. Gilbert Survey, A-231, the Levi Morgan Survey, A-336 and the Richard Lamb Survey, A-305, as more particularly described in said lease, being recorded in Volume 325, Page 405 and as amended by that certain Ratification of Oil, Gas and Mineral Lease dated January 6, 1981, recorded in Volume 411, Page 892; all recorded in the Deed Records of Grimes County, Texas.
2. Oil, Gas and Mineral Lease dated July 28, 1976 from Knud I. Bruun and Ferine Bruun Schexnayder, as Lessors, to Donald C. Dalbosco, Trustee, as Lessee, recorded in Volume 340, Page 284, et seq., of the Deed Records in Grimes County, Texas.
3. Oil, Gas and Mineral Lease dated October 12, 1976 from Selected Lands, Ltd., #18, as Lessor, to Donald C. Dalbosco, Trustee, as Lessee, recorded in Volume 341, Page 417 of the Deed Records of Grimes County, Texas.
4. Oil, Gas and Mineral Lease dated August 18, 2011 from Maurine Banks Hill, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 1389, Page 575 of the Official Public Records of Grimes County, Texas.
5. Oil, Gas and Mineral Lease dated August 19, 2011 from Neeley G. Lewis, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 1389, Page 581 of the Official Public Records of Grimes County, Texas.
6. Oil, Gas and Mineral Lease dated August 19, 2011 from Stuart F. Lewis, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 1389, Page 585 of the Official Public Records of Grimes County, Texas.
7. Oil, Gas and Mineral Lease dated August 23, 2011 from Bonnie N. Grinstead, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 1391, Page 825 of the Official Public Records of Grimes County, Texas.
8. Oil, Gas and Mineral Lease dated September 2, 2011 from Charles O. McDuffie, Jr., as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 1391, Page 834 of the Official Public Records of Grimes County, Texas.
9. Oil, Gas and Mineral Lease dated September 2, 2011 from Durward H. McDuffie, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 1391, Page 836 of the Official Public Records of Grimes County, Texas.

10. Oil, Gas and Mineral Lease dated September 2, 2011 from Charlene McDuffie Denman, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 1391, Page 838 of the Official Public Records of Grimes County, Texas.
11. Oil, Gas and Mineral Lease dated September 24, 2011 from Clear Lake Properties, Inc., as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 93 of the Official Public Records of Brazos County, Texas.
12. Oil, Gas and Mineral Lease dated September 24, 2011 from James Lee Carter, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 9 of the Official Public Records of Brazos County, Texas.
13. Oil, Gas and Mineral Lease dated September 24, 2011 from Joe T. Conaway, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 15 of the Official Public Records of Brazos County, Texas.
14. Oil, Gas and Mineral Lease dated September 24, 2011 from Linda R. Fayard, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 27 of the Official Public Records of Brazos County, Texas.
15. Oil, Gas and Mineral Lease dated September 24, 2011 from Michael Lynn Rumfield, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 11 of the Official Public Records of Brazos County, Texas.
16. Oil, Gas and Mineral Lease dated September 24, 2011 from Brenda J. Rumfield, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 13 of the Official Public Records of Brazos County, Texas.
17. Oil, Gas and Mineral Lease dated September 24, 2011 from Donna L. Cobb, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 17 of the Official Public Records of Brazos County, Texas.
18. Oil, Gas and Mineral Lease dated September 24, 2011 from Betty Ann Pate, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 19 of the Official Public Records of Brazos County, Texas.
19. Oil, Gas and Mineral Lease dated September 24, 2011 from Linda Christina Edling Andrews, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 21 of the Official Public Records of Brazos County, Texas.
20. Oil, Gas and Mineral Lease dated September 24, 2011 from Lana Elizabeth Edling Ellington, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 23 of the Official Public Records of Brazos County, Texas.

21. Oil, Gas and Mineral Lease dated September 24, 2011 from Glenn Edward Edling, Jr., as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 25 of the Official Public Records of Brazos County, Texas.
22. Oil, Gas and Mineral Lease dated September 24, 2011 from William R. Garrison, II, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 29 of the Official Public Records of Brazos County, Texas.
23. Oil, Gas and Mineral Lease dated September 24, 2011 from First Baptist Church Bryan, Texas, Inc., as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 33 of the Official Public Records of Brazos County, Texas.
24. Oil, Gas and Mineral Lease dated October 28, 2011 from Paul Levy, et al, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 35 of the Official Public Records of Brazos County, Texas.
25. Oil, Gas and Mineral Lease dated October 19, 2011 from Morris J. Gelber, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 37 of the Official Public Records of Brazos County, Texas.
26. Oil, Gas and Mineral Lease dated October 28, 2011 from Cecil Reese, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10484, Page 194 of the Official Public Records of Brazos County, Texas.
27. Oil, Gas and Mineral Lease dated November 7, 2011 from Joseph R. Gelber, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10484, Page 198 of the Official Public Records of Brazos County, Texas.
28. Oil, Gas and Mineral Lease dated September 24, 2011 from Kathy Rosier McBride, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10484, Page 196 of the Official Public Records of Brazos County, Texas.
29. Oil, Gas and Mineral Lease dated September 24, 2011 from John S. Saxon, Trustee of The Saxon Trust, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 31 of the Official Public Records of Brazos County, Texas.
30. Oil, Gas and Mineral Lease dated September 24, 2011 from John L. Edwards, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10532, Page 85 of the Official Public Records of Brazos County, Texas.
31. Oil, Gas and Mineral Lease dated September 24, 2011 from Angus Earl McSwain, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10532, Page 87 of the Official Public Records of Brazos County, Texas.

32. Oil, Gas and Mineral Lease dated September 24, 2011 from Mary Lois Bland, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10604, Page 19 of the Official Public Records of Brazos County, Texas.
33. Oil, Gas and Mineral Lease dated November 7, 2011 from Leah E. Gelber, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10588, Page 128 of the Official Public Records of Brazos County, Texas.
34. Oil, Gas and Mineral Lease dated September 24, 2011 from Clyde D. Sides, et ux, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 95 of the Official Public Records of Brazos County, Texas.
35. Oil, Gas and Mineral Lease dated September 24, 2011 from James M. Rosier, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 77 of the Official Public Records of Brazos County, Texas.
36. Oil, Gas and Mineral Lease dated September 24, 2011 from Claude W. Rosier, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 79 of the Official Public Records of Brazos County, Texas.
37. Oil, Gas and Mineral Lease dated September 24, 2011 from Nancy Jean Arnold, et vir, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 81 of the Official Public Records of Brazos County, Texas.
38. Oil, Gas and Mineral Lease dated September 24, 2011 from Danice Deegan Corbin, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 83 of the Official Public Records of Brazos County, Texas.
39. Oil, Gas and Mineral Lease dated September 24, 2011 from Dorothy Carter Davis, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 85 of the Official Public Records of Brazos County, Texas.
40. Oil, Gas and Mineral Lease dated September 24, 2011 from Larry W. Sides, et ux, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 87 of the Official Public Records of Brazos County, Texas.
41. Oil, Gas and Mineral Lease dated September 24, 2011 from Carolyn K. Benjamin, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 89 of the Official Public Records of Brazos County, Texas.
42. Oil, Gas and Mineral Lease dated September 24, 2011 from Cindy L. Smith, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 91 of the Official Public Records of Brazos County, Texas.

43. Oil, Gas and Mineral Lease dated September 24, 2011 from John A. Riley, et ux, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 97 of the Official Public Records of Brazos County, Texas.
44. Oil, Gas and Mineral Lease dated September 24, 2011 from Kenneth John Kindt, et ux, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 99 of the Official Public Records of Brazos County, Texas.
45. Oil, Gas and Mineral Lease dated September 24, 2011 from Martin L. Riley, Jr., as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 101 of the Official Public Records of Brazos County, Texas.
46. Oil, Gas and Mineral Lease dated September 24, 2011 from Robert H. Conaway, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 103 of the Official Public Records of Brazos County, Texas.
47. Oil, Gas and Mineral Lease dated September 24, 2011 from Patsy Ruth Cox, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 105 of the Official Public Records of Brazos County, Texas.
48. Oil, Gas and Mineral Lease dated September 24, 2011 from Gladys Mae Jeske, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 107 of the Official Public Records of Brazos County, Texas.
49. Oil, Gas and Mineral Lease dated September 24, 2011 from Leola Todd Davis, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 109 of the Official Public Records of Brazos County, Texas.
50. Oil, Gas and Mineral Lease dated September 24, 2011 from Ruby M. Watson, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 111 of the Official Public Records of Brazos County, Texas.
51. Oil, Gas and Mineral Lease dated September 24, 2011 from Willie E. Pieters, Jr., as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 113 of the Official Public Records of Brazos County, Texas.
52. Oil, Gas and Mineral Lease dated September 24, 2011 from Sammye K. Collier, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 115 of the Official Public Records of Brazos County, Texas.
53. Oil, Gas and Mineral Lease dated September 24, 2011 from Bernerd Krause, as Trustee for Cory Krause et al, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 117 of the Official Public Records of Brazos County, Texas.

54. Oil, Gas and Mineral Lease dated September 24, 2011 from Melinda Garrison Cartwright, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 119 of the Official Public Records of Brazos County, Texas.
55. Oil, Gas and Mineral Lease dated September 24, 2011 from Bobby Russell Carter, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 121 of the Official Public Records of Brazos County, Texas.
56. Oil, Gas and Mineral Lease dated September 24, 2011 from Billy Murdock Carter, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10382, Page 123 of the Official Public Records of Brazos County, Texas.
57. Oil, Gas and Mineral Lease dated September 24, 2011 from Georgia Kay Jones, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 5 of the Official Public Records of Brazos County, Texas.
58. Oil, Gas and Mineral Lease dated September 24, 2011 from Joseph Thomas Carter, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10431, Page 7 of the Official Public Records of Brazos County, Texas.
59. Oil, Gas and Mineral Lease dated March 9, 2012 from Central Baptist Church, as Lessor, to Petromax Production, LLC, as Lessee, a memorandum of which is recorded at Volume 10604, Page 25 of the Official Public Records of Brazos County, Texas.
60. Oil, Gas and Mineral Lease dated February 21, 2013 from Pauline Bendick Cobb, as Lessor, to Centex Energy, LLC, as Lessee, a memorandum of which is recorded at Volume 11193, Page 171 of the Official Public Records of Brazos County, Texas.
61. Oil, Gas and Mineral Lease dated April 9, 2014 from Homer Eugene Franks, III, as Lessor, to Marlin Energy Resources, LLC, as Lessee, a memorandum of which is recorded at Volume 12011, Page 95 of the Official Public Records of Brazos County, Texas.
62. Oil, Gas and Mineral Lease dated April 9, 2014 from James Alan Franks, as Lessor, to Marlin Energy Resources, LLC, as Lessee, a memorandum of which is recorded at Volume 12011, Page 93 of the Official Public Records of Brazos County, Texas.
63. Oil, Gas and Mineral Lease dated April 9, 2014 from Paige Bamberg, as Lessor, to Marlin Energy Resources, LLC, as Lessee, a memorandum of which is recorded at Volume 12011, Page 89 of the Official Public Records of Brazos County, Texas.
64. Oil, Gas and Mineral Lease dated April 9, 2014 from Teresa Franks, as Lessor, to Marlin Energy Resources, LLC, as Lessee, a memorandum of which is recorded at Volume 12011, Page 91 of the Official Public Records of Brazos County, Texas.

65. Oil, Gas and Mineral Lease dated April 9, 2014 from James Robert Franks, as Lessor, to Marlin Energy Resources, LLC, as Lessee, a memorandum of which is recorded at Volume 12011, Page 85 of the Official Public Records of Brazos County, Texas.
66. Oil, Gas and Mineral Lease dated April 9, 2014 from Nancy Sebesta, as Lessor, to Marlin Energy Resources, LLC, as Lessee, a memorandum of which is recorded at Volume 12011, Page 87 of the Official Public Records of Brazos County, Texas.

Exhibit "B"

FIELD NOTES
MARLIN ENERGY RESOURCES, LLC
SCAMARDO GRIMES, LP No. 1H UNIT
543.56 ACRES
ANDREW BRISCO SURVEY, A – 117, GRIMES COUNTY
L. MORGAN SURVEY, A – 336, GRIMES COUNTY
BENJAMIN F. ARNOLD SURVEY, A – 68, GRIMES COUNTY &
PERFECTO DIAZ SURVEY, A – 106, BRAZOS COUNTY
GRIMES AND BRAZOS COUNTIES, TEXAS
JULY 15, 2014

All that certain lot, tract or parcel of land being 543.56 Acres, situated in the ANDREW BRISCO SURVEY, Abstract No. 117, L. MORGAN SURVEY, Abstract No. 336, and the BENJAMIN F. ARNOLD SURVEY, Abstract No. 68, all being in Grimes County, Texas and the PERFECTO DIAZ SURVEY, Abstract No. 106, Brazos County, Texas, and being a part of the following Mineral ownership tracts as follows: 1) Being a part of the Andrew and Matilda Scamardo, Co-Trustees Called 623.30 Acres (Tract Six) as described in Volume 1110, Page 393, Deed Records of Grimes County, Texas; 2) Being a part of the W.B. Leonard Called 158.78 acre tract as described in Volume 315, Page 326, Deed Records of Grimes County, Texas; 3) Being a part of the Charles McDuffie, Jr. Called 321.28 acre tract as described in Volume 743, Page 308, Deed Records of Grimes County, Texas; 4) Being a part of the Keown Supply Company Called 622.159 acre tract as described in Volume 348, Page 444, Deed Records of Grimes County, Texas; 5) Being a part of the STATE OF TEXAS Tract of land within the high banks of the Navasota River; 6) Being a part of the Clear Lake Properties Called 1110 Acre Tract as described in Volume 128, Page 517, Deed Records of Brazos County, Texas, said 543.56 acre Unit being more particularly described by metes and bounds as follows:

BEGINNING at a point for the southeast corner, a 5/8" Iron Rod found for an interior corner of said Called 623.30 acre tract bears N 59 ° 08 ' 32 " E a distance of 575.93 feet;
THENCE N 73 ° 10 ' 40 " W, a distance of 4671.05 feet to a point on the Easterly High Bank of the Navasota River for angle point;

THENCE along the Easterly High Bank of the Navasota River the following Calls:

S 28 ° 22 ' 52 " E, a distance of 28.64 feet to a point;
S 23 ° 41 ' 13 " E, a distance of 43.42 feet to a point;
S 6 ° 28 ' 12 " W, a distance of 82.04 feet to a point;
S 23 ° 16 ' 48 " W, a distance of 49.10 feet to a point;
S 27 ° 48 ' 56 " W, a distance of 25.76 feet to a point;
S 43 ° 28 ' 30 " W, a distance of 68.98 feet to a point;
S 46 ° 46 ' 03 " W, a distance of 28.52 feet to a point;
S 46 ° 55 ' 28 " W, a distance of 59.38 feet to a point;
S 61 ° 29 ' 20 " W, a distance of 58.91 feet to a point;
S 77 ° 08 ' 18 " W, a distance of 62.95 feet to a point;
S 87 ° 22 ' 11 " W, a distance of 58.31 feet to a point;
S 85 ° 47 ' 30 " W, a distance of 78.31 feet to a point;
S 86 ° 47 ' 28 " W, a distance of 67.38 feet to a point;
N 81 ° 48 ' 24 " W, a distance of 47.69 feet to a point;
N 71 ° 30 ' 03 " W, a distance of 47.71 feet to a point;
S 64 ° 58 ' 29 " W, a distance of 44.27 feet to a point;
S 84 ° 56 ' 12 " W, a distance of 40.25 feet to a point;
N 65 ° 47 ' 54 " W, a distance of 50.04 feet to a point;

S 79 ° 51 ' 32 " W, a distance of 95.02 feet to a point;
S 64 ° 04 ' 12 " W, a distance of 71.50 feet to a point;
S 60 ° 40 ' 29 " W, a distance of 107.79 feet to a point;
S 42 ° 43 ' 58 " W, a distance of 82.09 feet to a point for a south corner;

THENCE N 47 ° 16 ' 02 " W, across the Navasota River a distance of 96.38 feet to a point on the Westerly High Bank for angle point;

THENCE generally along a fence line with the Occupied southwest line of said Called 1110 acre tract the following calls:

N 51 ° 56 ' 31 " W, a distance of 92.72 feet to a point for angle point;
N 51 ° 12 ' 32 " W, a distance of 115.89 feet to a point for angle point;
N 46 ° 08 ' 15 " W, a distance of 143.63 feet to a point for angle point;
N 38 ° 41 ' 31 " W, a distance of 261.05 feet to a point for angle point;
N 62 ° 15 ' 04 " W, a distance of 76.11 feet to a tree with wire found for angle point;
N 53 ° 00 ' 17 " W, a distance of 179.04 feet to a point for angle point;
N 51 ° 29 ' 48 " W, a distance of 64.25 feet to a tree with wire found for angle point;
N 43 ° 45 ' 21 " W, a distance of 243.40 feet to a point for angle point;
N 55 ° 45 ' 12 " W, a distance of 155.71 feet to a fence post found for angle point;
N 52 ° 19 ' 36 " W, a distance of 70.39 feet to a point for angle point;
N 50 ° 34 ' 11 " W, a distance of 397.53 feet to a tree with wire found for angle point;
N 50 ° 31 ' 32 " W, a distance of 154.77 feet to a tree with wire found for angle point;
N 52 ° 02 ' 50 " W, a distance of 207.20 feet to a point for angle point;
N 52 ° 29 ' 51 " W, a distance of 41.21 feet to a tree with wire found for angle point;
N 56 ° 08 ' 20 " W, a distance of 448.59 feet to a tree with wire found for angle point;
N 56 ° 38 ' 22 " W, a distance of 167.48 feet to a tree with wire found for angle point;
N 59 ° 14 ' 26 " W, a distance of 33.23 feet to a tree with wire found for angle point;
N 55 ° 54 ' 42 " W, a distance of 106.13 feet to a point for angle point;
N 56 ° 30 ' 22 " W, a distance of 82.69 feet to a point for angle point;
N 59 ° 09 ' 06 " W, a distance of 183.47 feet to a tree with wire found for angle point;
N 68 ° 58 ' 22 " W, a distance of 193.30 feet to a tree with wire found for angle point;
N 48 ° 18 ' 27 " W, a distance of 62.69 feet to a tree with wire found for angle point;
N 49 ° 50 ' 59 " W, a distance of 28.33 feet to a tree with wire found for angle point;
N 48 ° 41 ' 56 " W, a distance of 112.71 feet to a tree with wire found for angle point;
N 53 ° 16 ' 50 " W, a distance of 24.97 feet to a tree with wire found for angle point;
N 48 ° 42 ' 50 " W, a distance of 76.26 feet to a tree with wire found for angle point;
N 51 ° 45 ' 44 " W, a distance of 61.80 feet to a point for angle point;
N 49 ° 48 ' 33 " W, a distance of 158.09 feet to a tree with wire found for angle point;
N 48 ° 43 ' 48 " W, a distance of 314.85 feet to a tree with wire found for angle point;
N 51 ° 23 ' 51 " W, a distance of 49.23 feet to a tree with wire found for angle point; and,
N 54 ° 15 ' 34 " W, a distance of 15.07 feet to a point for the most westerly corner;

THENCE N 27 ° 18 ' 26 " E, a distance of 32.11 feet to a point for angle point;

THENCE N 41 ° 44 ' 41 " E, a distance of 1873.44 feet to a point for the most northerly corner;

THENCE S 73 ° 10 ' 40 " E, a distance of 8724.55 feet to a point for the most easterly corner, a 1/2" Iron Rod found for the Occupied northeast corner of said Called 232.60 acre tract bears S 0 ° 38 ' 36 " E a distance of 3061.19 feet;

THENCE S 16 ° 24 ' 47 " W, a distance of 2543.26 feet to the PLACE OF BEGINNING AND CONTAINING AN AREA OF 543.56 ACRES OF LAND MORE OR LESS according to a survey prepared for the Scamardo Grimes, LP Well No. 1-H, by H. Curtis Strong, Registered Professional Land Surveyor No. 4961 during the month of May, 2014. See accompanying plat for more information. These tracts may not reflect what is actually on the ground for surface ownership. North Orientation is based on rotating the north line of the McDuffie Unit to Grid North NAD83 (CORS96) State Plane Central Zone.





STRONG SURVEYING

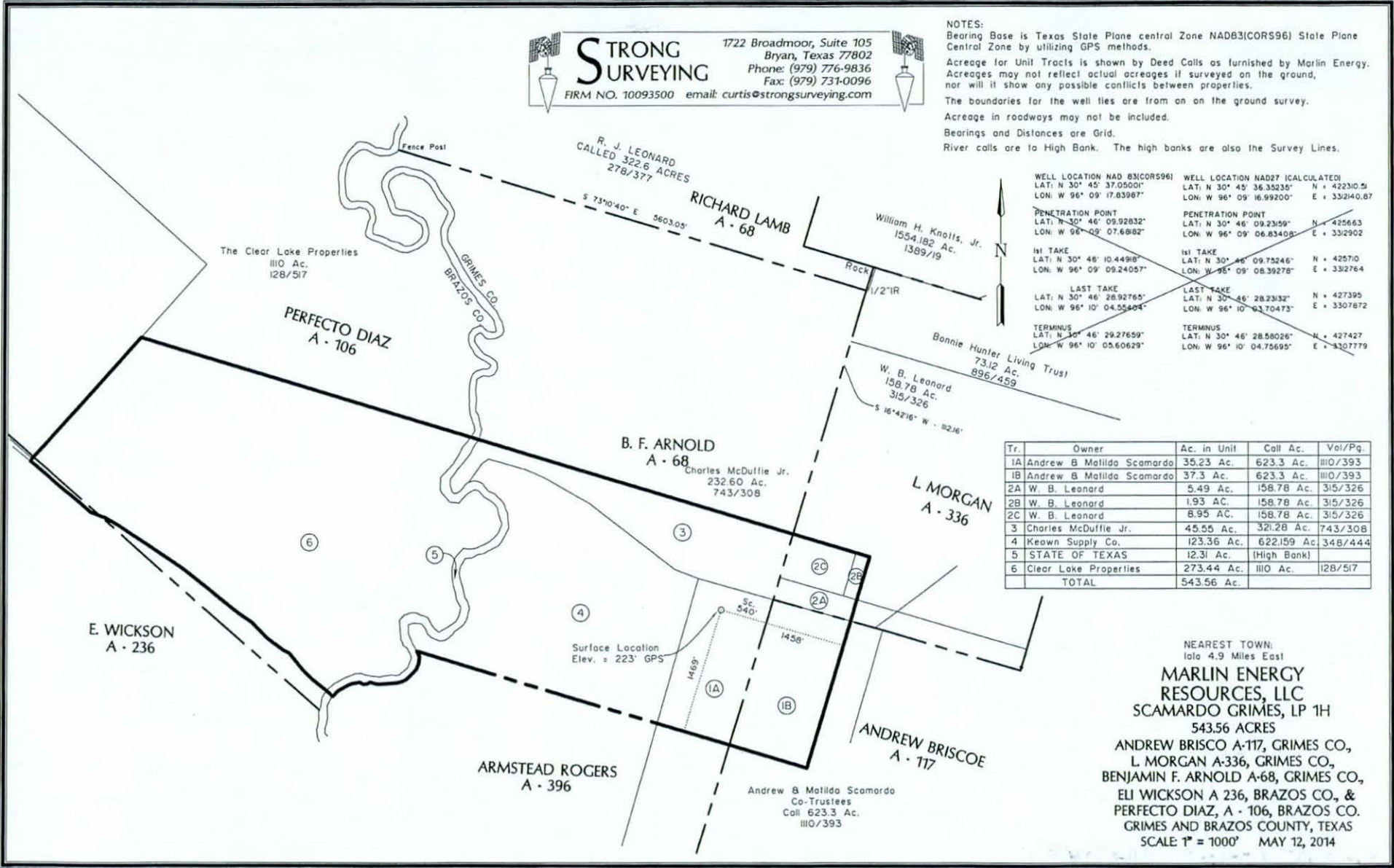
1722 Broadmoor, Suite 105
Bryan, Texas 77802
Phone: (979) 776-9836
Fax: (979) 731-0096

FIRM NO. 10093500 email: curtis@strongsurveying.com



NOTES:

Bearing Base is Texas State Plane central Zone NADB3(CORS96) State Plane Central Zone by utilizing GPS methods.
Acreage for Unit Tracts is shown by Deed Calls as furnished by Marlin Energy. Acreages may not reflect actual acreages if surveyed on the ground, nor will it show any possible conflicts between properties.
The boundaries for the well lies are from an on the ground survey.
Acreage in roadways may not be included.
Bearings and Distances are Grid.
River calls are to High Bank. The high banks are also the Survey Lines.



| WELL LOCATION NAD83(CORS96) | WELL LOCATION NAD27 (CALCULATED) |
|-----------------------------|----------------------------------|
| LAT: N 30° 45' 37.0500" | LAT: N 30° 45' 36.35235" |
| LON: W 96° 09' 17.83987" | LON: W 96° 09' 16.99200" |
| PENETRATION POINT | |
| LAT: N 30° 46' 09.92832" | LAT: N 30° 46' 09.23159" |
| LON: W 96° 09' 07.68882" | LON: W 96° 09' 06.83408" |
| HI TAKE | |
| LAT: N 30° 46' 10.44918" | LAT: N 30° 46' 09.75246" |
| LON: W 96° 09' 09.24057" | LON: W 96° 09' 08.39278" |
| LAST TAKE | |
| LAT: N 30° 46' 28.92765" | LAT: N 30° 46' 28.23132" |
| LON: W 96° 10' 04.55404" | LON: W 96° 10' 03.70473" |
| TERMINUS | |
| LAT: N 30° 46' 29.27659" | LAT: N 30° 46' 28.58026" |
| LON: W 96° 10' 05.60629" | LON: W 96° 10' 04.75695" |

| Tr. | Owner | Ac. in Unit | Call Ac. | Vol/Pg. |
|-------|---------------------------|-------------|-------------|---------|
| 1A | Andrew B Malilda Scamardo | 35.23 Ac. | 623.3 Ac. | 110/393 |
| 1B | Andrew B Malilda Scamardo | 37.3 Ac. | 623.3 Ac. | 110/393 |
| 2A | W. B. Leonard | 5.49 Ac. | 158.78 Ac. | 315/326 |
| 2B | W. B. Leonard | 1.93 Ac. | 158.78 Ac. | 315/326 |
| 2C | W. B. Leonard | 8.95 Ac. | 158.78 Ac. | 315/326 |
| 3 | Charles McDuffie Jr. | 45.55 Ac. | 321.28 Ac. | 743/308 |
| 4 | Keown Supply Co. | 123.36 Ac. | 622.159 Ac. | 348/444 |
| 5 | STATE OF TEXAS | 12.31 Ac. | (High Bank) | |
| 6 | Clear Lake Properties | 273.44 Ac. | 1110 Ac. | 128/517 |
| TOTAL | | 543.56 Ac. | | |

NEAREST TOWN:
10.4.9 Miles East
MARLIN ENERGY RESOURCES, LLC
SCAMARDO GRIMES, LP 1H
543.56 ACRES
ANDREW BRISCO A-117, GRIMES CO.,
L MORGAN A-336, GRIMES CO.,
BENJAMIN F. ARNOLD A-68, GRIMES CO.,
ELI WICKSON A 236, BRAZOS CO., &
PERFECTO DIAZ, A - 106, BRAZOS CO.
GRIMES AND BRAZOS COUNTY, TEXAS
SCALE 1" = 1000' MAY 12, 2014

Exhibit "C"

(3)

M-116611
File No. Pooling Asmt Packet # 882
Sandoz Gr. H. P. Unit

Date Filed: 6/6/14
Jerry E. Patterson, Commissioner

By: 

TEXAS



GENERAL LAND OFFICE

JERRY PATTERSON, COMMISSIONER

August 6, 2014

Mr. Clark Jobe
McElroy, Sullivan, Miller, Weber & Olmstead, L.L.P.
P. O. Box 12127
Austin, Texas 78711-2127

RE: 52.076 Pooling Agreement
Marlin Energy Resources, LLC
Scamardo Grimes LP Unit
M-116611 – GLO Unit No. 6882
Brazos and Grimes Counties, Texas

Dear Clark:

Enclosed is a duplicate original of the above referenced Pooling Agreement that has been executed by Jerry E. Patterson, Commissioner of the Texas General Land Office. We have retained the other duplicate original of the Agreement, which will be filed in Mineral File **M-116611**. Please have your client refer to this file number when reporting and paying royalties to the State and in all future correspondence involving the State's unleased mineral interest within the referenced unit. This Unit has been assigned **GLO Unit No. 6882**, for the purpose of filing royalty reports with the GLO.

We also hereby acknowledge receipt of the \$4,924.00 as the consideration to the State for pooling the unleased interest.

Thank you for your assistance with this matter, if you have any questions, please do not hesitate to contact me.

Sincerely,

J. Daryl Morgan, CPL
Energy Resources Division
(512) 305-9106

Enclosure

Stephen F. Austin Building • 1700 North Congress Avenue • Austin, Texas 78701-1495

P.O. Box 12873 • Austin, Texas 78711-2873

512.463.5001 • 800.998.4GLO

glo.texas.gov

(4)

File No. M-116611
Ltr. to Clark Jobe

Date Filed: 6/6/14
Jerry E. Patterson, Commissioner

By: [Signature]

RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION

Form W-1H 07/2004
Supplemental Horizontal Well Information

Permit Status: **Approved**
The RRC has not approved this application. Duplication or distribution of information is at the user's own risk.

APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER

This facsimile W-1 was generated electronically from data submitted to the RRC. A certification of the automated data is available in the RRC's Austin office.

Permit # **787854**
Approved Date: **Jul 02, 2014**

| | | | |
|---|--|--------------------------------------|--------------------|
| 1. RRC Operator No. 526446 | 2. Operator's Name (exactly as shown on form P-5, Organization Report) MARLIN ENERGY RESOURCES, LLC | 3. Lease Name SCAMARDO GRIMES, LP | 4. Well No. 1H |
| Lateral Drainhole Location Information | | | |
| 5. Field as shown on Form W-1 MADISONVILLE, W. (WOODBINE -A-) (Field # 56599500, RRC District 03) | | | |
| 6. Section | 7. Block | 8. Survey DIAZ, P | 9. Abstract 106 |
| | | 10. County of BHL BRAZOS | |
| 11. Terminus Lease Line Perpendiculars 739 ft. from the WEST line. and 815 ft. from the NORTH line | | | |
| 12. Terminus Survey Line Perpendiculars 3330 ft. from the NORTHEAST line. and 1290 ft. from the SOUTH line | | | |
| 13. Penetration Point Lease Line Perpendiculars 1887 ft. from the E line. and 1485 ft. from the SOUTH line | | | |



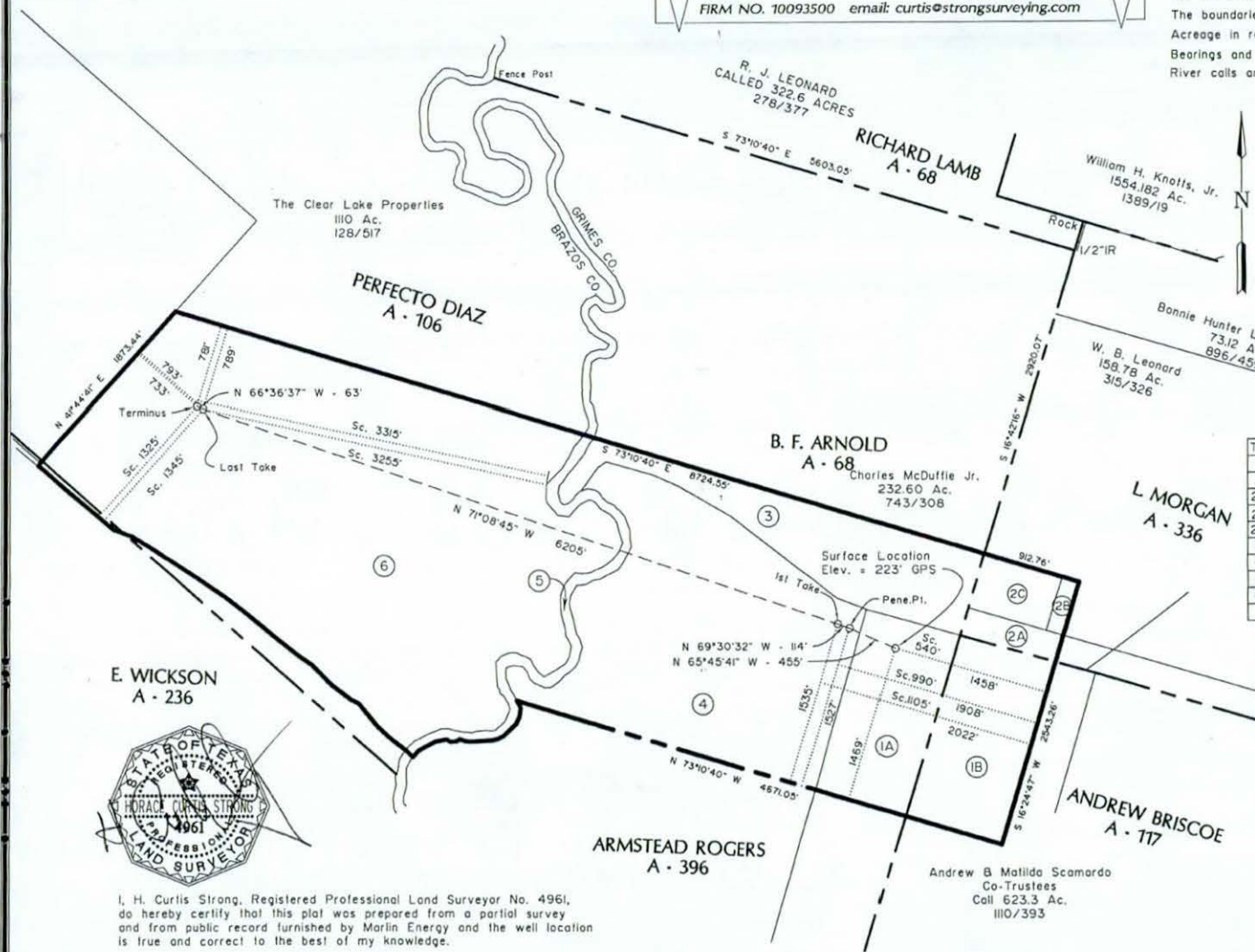
STRONG SURVEYING

1722 Broadmoor, Suite 105
Bryan, Texas 77802
Phone: (979) 776-9836
Fax: (979) 731-0096
FIRM NO. 10093500 email: curtis@strongsurveying.com



NOTES:

Bearing Base is Texas State Plane central Zone NAD83(CORS96) State Plane Central Zone by utilizing GPS methods.
Acreage for Unit Tracts is shown by Deed Calls as furnished by Marlin Energy. Acreages may not reflect actual acreages if surveyed on the ground, nor will it show any possible conflicts between properties.
The boundaries for the well lies are from an on the ground survey.
Acreage in roadways may not be included.
Bearings and Distances are Grid.
River calls are to High Bank. The high banks are also the Approx. Survey Lines.



| WELL LOCATION NAD 83(CORS96) | | WELL LOCATION NAD87 (CALCULATED) | |
|------------------------------|-------------|----------------------------------|-------------|
| LAT: N 30° 45' 37.0500" | N + 42238 | LAT: N 30° 45' 36.35235" | N + 42238 |
| LONG: W 96° 09' 17.63987" | E + 332141 | LONG: W 96° 09' 16.99200" | E + 332141 |
| PENETRATION POINT | | PENETRATION POINT | |
| LAT: N 30° 45' 39.05032" | N + 422498 | LAT: N 30° 45' 38.35270" | N + 422498 |
| LONG: W 96° 09' 22.50836" | E + 331726 | LONG: W 96° 09' 21.66036" | E + 331726 |
| 1st TAKE | | 1st TAKE | |
| LAT: N 30° 45' 39.48674" | N + 422538 | LAT: N 30° 45' 38.78913" | N + 422538 |
| LONG: W 96° 09' 23.71956" | E + 331619 | LONG: W 96° 09' 22.87553" | E + 331619 |
| LAST TAKE | | LAST TAKE | |
| LAT: N 30° 46' 01.49742" | N + 424543 | LAT: N 30° 46' 00.80026" | N + 424543 |
| LONG: W 96° 10' 30.16599" | E + 3305747 | LONG: W 96° 10' 29.26672" | E + 3305747 |
| TERMINUS | | TERMINUS | |
| LAT: N 30° 46' 01.76785" | N + 424568 | LAT: N 30° 46' 01.07059" | N + 424568 |
| LONG: W 96° 10' 30.77233" | E + 3305689 | LONG: W 96° 10' 29.92224" | E + 3305689 |

| Tr. | Owner | Ac. in Unit | Call Ac. | Vol/Pg. |
|-------|---------------------------|-------------|-------------|----------|
| 1A | Andrew B Matilda Scamardo | 35.23 Ac. | 623.3 Ac. | 1110/393 |
| 1B | Andrew B Matilda Scamardo | 37.3 Ac. | 623.3 Ac. | 1110/393 |
| 2A | W. B. Leonard | 5.49 Ac. | 158.78 Ac. | 315/326 |
| 2B | W. B. Leonard | 1.93 Ac. | 158.78 Ac. | 315/326 |
| 2C | W. B. Leonard | 8.95 Ac. | 158.78 Ac. | 315/326 |
| 3 | Charles McDuffie Jr. | 45.55 Ac. | 321.28 Ac. | 743/308 |
| 4 | Keown Supply Co. | 123.36 Ac. | 622.159 Ac. | 348/444 |
| 5 | STATE OF TEXAS | 12.31 Ac. | [High Bank] | |
| 6 | Clear Lake Properties | 273.44 Ac. | 1110 Ac. | 128/517 |
| TOTAL | | 543.56 Ac. | | |

NEAREST TOWN:
Iola 4.9 Miles East

"AS DRILLED"
MARLIN ENERGY RESOURCES, LLC
SCAMARDO GRIMES, LP 1H
543.56 ACRES
ANDREW BRISCO A-117, GRIMES CO.,
L. MORGAN A-336, GRIMES CO.,
BENJAMIN F. ARNOLD A-68, GRIMES CO.,
ELI WICKSON A 236, BRAZOS CO., &
PERFECTO DIAZ, A - 106, BRAZOS CO.
GRIMES AND BRAZOS COUNTY, TEXAS
SCALE: 1" = 1000' OCTOBER 29, 2014

E. WICKSON
A - 236



I, H. Curtis Strong, Registered Professional Land Surveyor No. 4961, do hereby certify that this plat was prepared from a partial survey and from public record furnished by Marlin Energy and the well location is true and correct to the best of my knowledge.

Groundwater
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Form GW-2

Date **May 29, 2014**

GAU File No.: **1087**

***** EXPEDITED APPLICATION *****

API Number **18500000**

Attention: **LEE L LAWSON**

RRC Lease No. **000001**

SC_526446_18500000_000001_1087.pdf

**MARLIN ENERGY RESOURCES LLC
3861 AMBASSADOR CAFFERY
PKWY STE 600
LAFAYETTE LA 70503
P-5# 526446**

--Measured--

540 ft FEL

1469 ft FSL

MRL: SURVEY

| | |
|-----------------------|-----------------|
| Digital Map Location: | |
| X-coord/Long | 96.15496 |
| Y-coord/Lat | 30.76029 |
| Datum | 83 |
| Zone | |

County **GRIMES**

Lease & Well No. **SCAMARDO GRIMES LP #1H**

Purpose **ND**

Location **SUR-ARNOLD B., A-68, --[TD=9312], [RRC 3],**

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Railroad Commission of Texas recommends:

The base of usable-quality water that must be protected is estimated to occur at a depth of 1775 feet below the land surface. Moreover, the interval from the land surface to a depth of 650 feet and the fresh water contained in the SPARTA from a depth of 1050 feet to 1350 feet must be isolated from water in underlying and overlying beds.

Please send ELECTRIC log when it is available if it contains information from within the protected depth interval(s).

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

If you have any questions, please contact us at 512-463-2741, gau@rrc.state.tx.us, or by mail.

Sincerely,

Lance N Christian
 Digitally signed by Lance Christian, P.G.
 DN: cn=US, st=TEXAS, ln=Austin, o=Railroad
 Commission of Texas, cn=Lance Christian,
 P.G., email=Lance.Christian@rrc.state.tx.us
 Date: 2014.05.29 17:00:23 -05'00'

Lance N. Christian, P.G.

GEOLOGIST SEAL



Geologist, Groundwater Advisory Unit
Oil & Gas Division

The seal appearing on this document was authorized by Lance N. Christian on 5/29/2014
Note: Alteration of this electronic document will invalidate the digital signature.



Railroad Commission of Texas

PERMIT TO DRILL, RE-COMplete, OR RE-ENTER ON REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

CONDITIONS AND INSTRUCTIONS

Permit Invalidation. It is the operator's responsibility to make sure that the permitted location complies with Commission density and spacing rules in effect on the spud date. The permit becomes invalid automatically if, because of a field rule change or the drilling of another well, the stated location is not in compliance with Commission field rules on the spud date. If this occurs, application for an exception to Statewide Rules 37 and 38 must be made and a special permit granted prior to spudding. Failure to do so may result in an allowable not being assigned and/or enforcement procedures being initiated.

Notice Requirements. Per H.B 630, signed May 8, 2007, the operator is required to provide notice to the surface owner no later than the 15th business day after the Commission issues a permit to drill. Please refer to subchapter Q Sec. 91.751-91.755 of the Texas Natural Resources Code for applicability.

Permit expiration. This permit expires two (2) years from the date of issuance shown on the original permit. The permit period will not be extended.

Drilling Permit Number. The drilling permit number shown on the permit **MUST** be given as a reference with any notification to the district (see below), correspondence, or application concerning this permit.

Rule 37 Exception Permits. This Statewide Rule 37 exception permit is granted under either provision Rule 37 (h)(2)(A) or 37(h)(2)(B). Be advised that a permit granted under Rule 37(h)(2)(A), notice of application, is subject to the General Rules of Practice and Procedures and if a protest is received under Section 1.3, "Filing of Documents," and/or Section 1.4, "Computation of Time," the permit may be deemed invalid.

Before Drilling

Fresh Water Sand Protection. The operator must set and cement sufficient surface casing to protect all usable-quality water, as defined by the Railroad Commission of Texas (RRC) Groundwater Advisory Unit (GWAU). Before drilling a well, the operator must obtain a letter from the Railroad Commission of Texas stating the depth to which water needs protection, Write: Railroad Commission of Texas, Groundwater Advisory Unit (GWAU), P.O. Box 12967, Austin, TX 78711-3087. File a copy of the letter with the appropriate district office.

Accessing the Well Site. If an OPERATOR, well equipment TRANSPORTER or WELL service provider must access the well site from a roadway on the state highway system (Interstate, U.S. Highway, State Highway, Farm-to-Market Road, Ranch-to-Market Road, etc.), an access permit is required from TxDOT. Permit applications are submitted to the respective TxDOT Area Office serving the county where the well is located.

Water Transport to Well Site. If an operator intends to transport water to the well site through a temporary pipeline laid above ground on the state's right-of-way, an additional TxDOT permit is required. Permit applications are submitted to the respective TxDOT Area Office serving the county where the well is located.

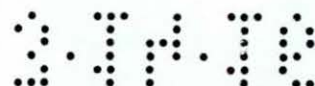
*NOTIFICATION

The operator is **REQUIRED** to notify the district office when setting surface casing, intermediate casing, and production casing, or when plugging a dry hole. The district office **MUST** also be notified if the operator intends to re-enter a plugged well or re-complete a well into a different regulatory field. Time requirements are given below. The drilling permit number **MUST** be given with such notifications.

During Drilling

Permit at Drilling Site. A copy of the Form W-1 Drilling Permit Application, the location plat, a copy of Statewide Rule 13 alternate surface casing setting depth approval from the district office, if applicable, and this drilling permit must be kept at the permitted well site throughout drilling operations.

***Notification of Setting Casing.** The operator **MUST** call in notification to the appropriate district office (phone number shown the on permit) a minimum of eight (8) hours prior to the setting of surface casing, intermediate casing, **AND** production casing. The individual giving notification **MUST** be able to advise the district office of the drilling permit number.



*Notification of Re-completion/Re-entry. The operator MUST call in notification to the appropriate district office (phone number shown on permit) a minimum of eight (8) hours prior to the initiation of drilling or re-completion operations. The individual giving notification MUST be able to advise the district office of the drilling permit number.

Completion and Plugging Reports

Producing Well. Statewide Rule 16 states that the operator of a well shall file with the Commission the appropriate completion report within thirty (30) days after completion of the well or within ninety (90) days after the date on which the drilling operation is completed, whichever is earlier. Completion of the well in a field authorized by this permit voids the permit for all other fields included in the permit unless the operator indicates on the initial completion report that the well is to be a dual or multiple completion and promptly submits an application for multiple completion. All zones are required to be completed before the expiration date on the existing permit. Statewide Rule 40(d) requires that upon successful completion of a well in the same reservoir as any other well previously assigned the same acreage, proration plats and P-15s (if required) must be submitted with no double assignment of acreage.

Dry or Noncommercial Hole. Statewide Rule 14(b)(2) prohibits suspension of operations on each dry or non-commercial well without plugging unless the hole is cased and the casing is cemented in compliance with Commission rules. If properly cased, Statewide Rule 14(b)(2) requires that plugging operations must begin within a period of one (1) year after drilling or operations have ceased. Plugging operations must proceed with due diligence until completed. An extension to the one-year plugging requirement may be granted under the provisions stated in Statewide Rule 14(b)(2).

Intention to Plug. The operator must file a Form W-3A (Notice of Intention to Plug and Abandon) with the district office at least five (5) days prior to beginning plugging operations. If, however, a drilling rig is already at work on location and ready to begin plugging operations, the district director or the director's delegate may waive this requirement upon request, and verbally approve the proposed plugging procedures.

*Notification of Plugging a Dry Hole. The operator MUST call in notification to the appropriate district office (phone number shown on permit) a minimum of four (4) hours prior to beginning plugging operations. The individual giving the notification MUST be able to advise the district office of the drilling permit number and all water protection depths for that location as stated in the Texas Commission on Environmental Quality letter.

DIRECT INQUIRIES TO: DRILLING PERMIT SECTION, OIL AND GAS DIVISION

PHONE
(512) 463-6751

MAIL:
PO Box 12967
Austin, Texas, 78711-2967



RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION

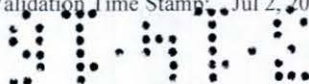
PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER ON A REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

| | | | | |
|---|--|---|-----------------------|-----------|
| PERMIT NUMBER 787854 | DATE PERMIT ISSUED OR AMENDED Jul 02, 2014 | DISTRICT * 03 | | |
| API NUMBER 42-185-30847 | FORM W-1 RECEIVED May 23, 2014 | COUNTY GRIMES | | |
| TYPE OF OPERATION NEW DRILL | WELLBORE PROFILE(S) Horizontal | ACRES 543.56 | | |
| OPERATOR MARLIN ENERGY RESOURCES, LLC 526446 | | NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. District Office Telephone No: (713) 869-5001 | | |
| LEASE NAME SCAMARDO GRIMES, LP | | WELL NUMBER 1H | | |
| LOCATION 4.9 miles E direction from IOLA | | TOTAL DEPTH 8978 | | |
| Section, Block and/or Survey SECTION ◀ BLOCK ◀ ABSTRACT ◀ 68 SURVEY ◀ ARNOLD, B F | | | | |
| DISTANCE TO SURVEY LINES 540 ft. EAST 1469 ft. SOUTH | | DISTANCE TO NEAREST LEASE LINE 819 ft. | | |
| DISTANCE TO LEASE LINES 1458 ft. EAST 1469 ft. SOUTH | | DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below | | |
| FIELD(s) and LIMITATIONS: <p style="text-align: center;">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</p> | | | | |
| FIELD NAME LEASE NAME | ACRES NEAREST LEASE | DEPTH NEAREST WE | WELL # NEAREST WE | DIST |
| MADISONVILLE, W. (WOODBINE -A-) SCAMARDO GRIMES, LP | 543.56 819 | 8,902 | 1H 0 | 03 |
| ----- | | | | |
| WELLBORE PROFILE(s) FOR FIELD: Horizontal | | | | |
| ----- | | | | |
| RESTRICTIONS: Lateral: TH1 Penetration Point Location Lease Lines: 1887.0 F E L 1485.0 F SOUTH L Terminus Location BH County: BRAZOS Section: Block: Abstract: 106 Survey: DIAZ, P Lease Lines: 739.0 F WEST L 815.0 F NORTH L Survey Lines: 3330.0 F NORTHEAST L 1290.0 F SOUTH L | | | | |
| THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS | | | | |
| This well shall be completed and produced in compliance with applicable special field or statewide spacing and density rules. If this well is to be used for brine mining, underground storage of liquid hydrocarbons in salt formations, or underground storage of gas in salt formations, a permit for that specific purpose must be obtained from Environmental Services prior to construction, including drilling, of the well in accordance with Statewide Rules 81, 95, and 97. | | | | |

RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION

PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER ON A REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

| | | |
|--|---|---|
| PERMIT NUMBER 787854 | DATE PERMIT ISSUED OR AMENDED Jul 02, 2014 | DISTRICT * 03 |
| API NUMBER 42-185-30847 | FORM W-1 RECEIVED May 23, 2014 | COUNTY GRIMES |
| TYPE OF OPERATION NEW DRILL | WELLBORE PROFILE(S) Horizontal | ACRES 543.56 |
| OPERATOR MARLIN ENERGY RESOURCES, LLC | | 526446 NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. District Office Telephone No: (713) 869-5001 |
| LEASE NAME SCAMARDO GRIMES, LP | | WELL NUMBER 1H |
| LOCATION 4.9 miles E direction from IOLA | | TOTAL DEPTH 8978 |
| Section, Block and/or Survey SECTION ◀ BLOCK ◀ ABSTRACT ◀ 68 SURVEY ◀ ARNOLD, B F | | |
| DISTANCE TO SURVEY LINES 540 ft. EAST 1469 ft. SOUTH | | DISTANCE TO NEAREST LEASE LINE 819 ft. |
| DISTANCE TO LEASE LINES 1458 ft. EAST 1469 ft. SOUTH | | DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below |
| FIELD(s) and LIMITATIONS: * SEE FIELD DISTRICT FOR REPORTING PURPOSES * | | |
| FIELD NAME LEASE NAME | ACRES NEAREST LEASE | DEPTH NEAREST WE |
| WELL # NEAREST WE | | |
| DIST | | |
| <p>This well must comply to the new SWR 3.13 requirements concerning the isolation of any potential flow zones and zones with corrosive formation fluids. See approved permit for those formations that have been identified for the county in which you are drilling the well in.</p> | | |



RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION
SWR #13 Formation Data

GRIMES (185) County

| Formation | Shallow Top | Deep Top | Remarks | Geological Order | Effective Date |
|-----------------|-------------|----------|------------|------------------|----------------|
| JACKSON | 3,270 | 3,450 | disposal | 1 | 12/17/2013 |
| COOK MOUNTAIN | 3,690 | 3,730 | disposal | 2 | 12/17/2013 |
| WILCOX | 2,400 | 5,500 | disposal | 3 | 12/17/2013 |
| AUSTIN CHALK | 9,400 | 10,300 | production | 4 | 12/17/2013 |
| SUB-CLARKSVILLE | 9,900 | 11,500 | production | 5 | 12/17/2013 |
| WOODBINE | 9,500 | 9,500 | production | 6 | 12/17/2013 |
| WOODBINE-LOLA | 10,000 | 11,200 | production | 7 | 12/17/2013 |

This is a dynamic table that will be updated continuously. It is the operators responsibility to make sure that at time of spudding the well the most current table is being referenced.





RAILROAD COMMISSION OF TEXAS

Form W-2

1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Status: Submitted
Date: 11/05/2014
Tracking No.: 118849

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT, AND LOG

OPERATOR INFORMATION
Operator Name: MARLIN ENERGY RESOURCES, LLC
Operator No.: 526446
Operator Address: SUITE 600 3861 AMBASSADOR CAFFERY PKWY LAFAYETTE, LA 70503-0000

WELL INFORMATION
API No.: 42-185-30847
Well No.: 1H
Lease Name: SCAMARDO GRIMES, LP
RRC Lease No.:
Location: Section: ,Block: , Survey: ARNOLD, B F, Abstract: 68
Latitude: 30.760
Longitude: -96.155
This well is located 4.9 miles in a EAST direction from IOLA, which is the nearest town in the county.

FILING INFORMATION
Purpose of filing: Initial Potential
Type of completion: New Well
Well Type: Producing
Completion or Recompletion Date: 10/24/2014
Type of Permit Date Permit No.
Permit to Drill, Plug Back, or Deepen 07/02/2014 787854
Rule 37 Exception
Fluid Injection Permit
O&G Waste Disposal Permit
Other:

COMPLETION INFORMATION
Spud date: 08/01/2014
Date of first production after rig released: 10/24/2014
Date plug back, deepening, recompletion, or drilling operation commenced: 08/01/2014
Date plug back, deepening, recompletion, or drilling operation ended: 10/24/2014
Number of producing wells on this lease in this field (reservoir) including this well: 1
Distance to nearest well in lease & reservoir (ft.): 0.0
Total number of acres in lease: 543.56
Elevation (ft.): 223 GR
Total depth TVD (ft.): 8984
Total depth MD (ft.): 15564
Plug back depth TVD (ft.):
Plug back depth MD (ft.):
Was directional survey made other than inclination (Form W-12)? Yes
Rotation time within surface casing (hours): 41.5
Is Cementing Affidavit (Form W-15) attached? Yes
Recompletion or reclass? No
Multiple completion? No
Type(s) of electric or other log(s) run: Gamma Ray (MWD)
Electric Log Other Description:
Location of well, relative to nearest lease boundaries
of lease on which this well is located: 1458.0 Feet from the East Line and 1469.0 Feet from the South Line of the SCAMARDO GRIMES, LP Lease.

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.
Field & Reservoir Gas ID or Oil Lease No. Well No. Prior Service Type
PACKET: N/A



W2: N/A

FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:

| | | |
|--|---------------------|------------------|
| GAU Groundwater Protection Determination | Depth (ft.): 1775.0 | Date: 05/29/2014 |
| SWR 13 Exception | Depth (ft.): 3008.0 | |

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

| | |
|------------------------------------|-------------------------------------|
| Date of test: 10/31/2014 | Production method: Gas Lift |
| Number of hours tested: 24 | Choke size: 64 |
| Was swab used during this test? No | Oil produced prior to test: 1527.00 |

PRODUCTION DURING TEST PERIOD:

| | |
|----------------------|--------------------------------|
| Oil (BBLs): 339.00 | Gas (MCF): 305 |
| Gas - Oil Ratio: 899 | Flowing Tubing Pressure: 80.00 |
| Water (BBLs): 991 | |

CALCULATED 24-HOUR RATE

| | |
|-------------------------------|-------------------------|
| Oil (BBLs): 339.0 | Gas (MCF): 305 |
| Oil Gravity - API - 60.: 33.0 | Casing Pressure: 901.00 |
| Water (BBLs): 991 | |

CASING RECORD

| Row | Type of Casing | Casing Hole Size (in.) | Setting Size (in.) | Setting Depth (ft.) | Multi - Stage Depth (ft.) | Multi - Stage Shoe Depth (ft.) | Cement Class | Cement Amount (sacks) | Slurry Volume (cu. ft.) | Top of Cement (ft.) | TOC Determined By |
|-----|--------------------|------------------------|--------------------|---------------------|---------------------------|--------------------------------|--------------|-----------------------|-------------------------|---------------------|-----------------------|
| 1 | Surface | 10 3/4 | 13 1/2 | 3008 | | | CLASS H | 1440 | 2624.0 | SURF | Circulated to Surface |
| 2 | Intermediate | 7 5/8 | 9 7/8 | 9202 | | | CLASS H | 590 | 790.6 | 6000 | ACE Calculation |
| 3 | Tapered Production | 4 1/2 | 6 3/4 | 15564 | | | CLASS H | 710 | 1022.0 | 7352 | Cement Evaluation Log |

LINER RECORD

| Row | Liner Size (in.) | Hole Size (in.) | Liner Top (ft.) | Liner Bottom (ft.) | Cement Class | Cement Amount (sacks) | Slurry Volume (cu. ft.) | Top of Cement (ft.) | TOC Determined By |
|-----|------------------|-----------------|-----------------|--------------------|--------------|-----------------------|-------------------------|---------------------|-------------------|
| N/A | | | | | | | | | |

TUBING RECORD

| Row | Size (in.) | Depth (ft.) | Packer Depth (ft.)/Type |
|-----|------------|-------------|------------------------------|
| 1 | 2 3/8 | 9180 | 8280 / HES PLT PROD. PKR. |

PRODUCING/INJECTION/DISPOSAL INTERVAL

| Row | Open hole? | From (ft.) | To (ft.) |
|-----|------------|------------|----------|
| 1 | No | L1 15304 | 15500.0 |
| 2 | No | L1 15037 | 15233.0 |
| 3 | No | L1 14797 | 14993.0 |
| 4 | No | L1 14563 | 14753.0 |
| 5 | No | L1 14317 | 14516.0 |
| 6 | No | L1 14077 | 14273.0 |
| 7 | No | L1 13837 | 14033.0 |
| 8 | No | L1 13600 | 13793.0 |
| 9 | No | L1 13355 | 13555.0 |
| 10 | No | L1 13117 | 13309.0 |
| 11 | No | L1 12877 | 13073.0 |
| 12 | No | L1 12637 | 12833.0 |



| | | | |
|----|----|----------|---------|
| 13 | No | L1 12397 | 12593.0 |
| 14 | No | L1 12160 | 12353.0 |
| 15 | No | L1 11923 | 12113.0 |
| 16 | No | L1 11677 | 11879.0 |
| 17 | No | L1 11437 | 11629.0 |
| 18 | No | L1 11197 | 11393.0 |
| 19 | No | L1 10957 | 11153.0 |
| 20 | No | L1 10717 | 10915.0 |
| 21 | No | L1 10477 | 10667.0 |
| 22 | No | L1 10237 | 10433.0 |
| 23 | No | L1 9997 | 10193.0 |
| 24 | No | L1 9762 | 9953.0 |
| 25 | No | L1 9517 | 9716.0 |
| 26 | No | L1 9277 | 9473.0 |

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.

Was hydraulic fracturing treatment performed? Yes

Is well equipped with a downhole actuation sleeve? Yes If yes, actuation pressure (PSIG): 8500.0

Production casing test pressure (PSIG) prior to hydraulic fracturing treatment: 9500 Actual maximum pressure (PSIG) during hydraulic fracturing: 8049

Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)? Yes

| Row | Type of Operation | Amount and Kind of Material Used | Depth Interval (ft.) |
|-----|-------------------|----------------------------------|----------------------|
| 1 | Fracture | SEE FRAC FOCUS | 9277 15500 |

FORMATION RECORD

| Formations | Encountered | Depth TVD (ft.) | Depth MD (ft.) | Is formation isolated? | Remarks |
|------------------------------|-------------|-----------------|----------------|------------------------|------------------------------|
| JACKSON - DISPOSAL | No | | | No | NOT PRESENT AT THIS LOCATION |
| COOK MOUNTAIN - DISPOSAL | Yes | 100.0 | 100.0 | Yes | ESTIMATE |
| WILCOX - DISPOSAL | Yes | 1800.0 | 1800.0 | Yes | ESTIMATE |
| AUSTIN CHALK - PRODUCTION | Yes | 8412.0 | 8416.0 | Yes | |
| SUB-CLARKSVILLE - PRODUCTION | Yes | 8810.0 | 8882.0 | Yes | |
| WOODBINE - PRODUCTION | Yes | 8843.0 | 8932.0 | Yes | |
| WOODBINE-LOLA - PRODUCTION | Yes | 8958.0 | 9164.0 | No | PRODUCING |

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm (SWR 36)? No

Is the completion being downhole commingled (SWR 10)? No

REMARKS



RRC REMARKS

PUBLIC COMMENTS:

CASING RECORD :

TUBING RECORD:

PRODUCING/INJECTION/DISPOSAL INTERVAL :

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :

POTENTIAL TEST DATA:

OPERATOR'S CERTIFICATION

Printed Name: Lee Lawson

Title: Regulatory Coordinator

Telephone No.: (337) 412-1381

Date Certified: 11/05/2014



Tracking No.: 118849

This facsimile L-1 was generated electronically from data submitted to the RRC.

Instructions

When to File Form L-1:

- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil, and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period for confidentiality has not yet expired.

When is Form L-1 NOT required:

- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, re-classifications, and plugbacks of oil, gas or geothermal wells
- with Form W-3 for plugging of other than a dry hole

Where to File Form L-1:

- with the appropriate Commission district office

Filling out Form L-1:

- Section I and the signature section must be filled out for all wells
- complete only the appropriate part of Section II

Type of log required:

- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject well
- if such log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

SECTION I. IDENTIFICATION

| | | |
|---|----------------------------|-----------------------------|
| Operator Name: MARLIN ENERGY RESOURCES, LLC | District No. 03 | Completion Date: 10/24/2014 |
| Field Name: MADISONVILLE, W. (WOODBINE -A-) | Drilling Permit No. 787854 | |
| Lease Name: SCAMARDO GRIMES, LP | Lease/ID No. | Well No. 1H |
| County: GRIMES | API No. 42- 185-30847 | |

SECTION II. LOG STATUS (Complete either A or B)

A. BASIC ELECTRIC LOG NOT RUN

B. BASIC ELECTRIC LOG RUN. (Select one)

- 1. Confidentiality is requested and a copy of the header for each log that has been run on the well is attached.
- 2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).
- 3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).
- 4. Log attached to (select one):
 - (a) Form L-1 (this form). If the company/lease name on log is different from that shown in Section I, please enter name on log here: _____
Check here if attached log is being submitted after being held confidential.
 - (b) Form P-7, Application for Discovery Allowable and New Field Designation.
 - (c) Form W-4, Application for Multiple Completion:
Lease or ID No(s). _____
Well No(s). _____

| | |
|---|--|
| Lee Lawson Signature MARLIN ENERGY RESOURCES, LLC Name (print) | Regulatory Coordinator Title (337) 412-1381 Phone 11/03/2014 Date |
|---|--|

-FOR RAILROAD COMMISSION USE ONLY-



RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

DAVID PORTER, CHAIRMAN
CHRISTI CRADDICK, COMMISSIONER
RYAN SITTON, COMMISSIONER



LORI WROTENBERY
DIRECTOR, O&G DIVISION

1701 N. CONGRESS

CAPITOL STATION - P.O. BOX 12967 AUSTIN, TEXAS 78711-2967

07/08/2015

FORM P-4 NOTIFICATION (OIL LEASE)

OPERATOR

MARLIN ENERGY RESOURCES, LLC
SUITE 600
3861 AMBASSADOR CAFFERY PKWY
LAFAYETTE LA 70503

* * * * *

THE FOLLOWING RRC FORM P-4 "PRODUCER'S CERTIFICATE OF COMPLIANCE AND
AUTHORIZATION TO TRANSPORT OIL AND/OR CASINGHEAD GAS FROM AN OIL LEASE
OR GAS AND/OR CONDENSATE FROM A GAS WELL" FILED BY:

MARLIN ENERGY RESOURCES, LLC P-5 NO. 526446
SUITE 600 PHONE: (337)769-0032
3861 AMBASSADOR CAFFERY PKWY
LAFAYETTE LA 70503

HAS BEEN APPROVED ON JULY 8, 2015

* * * * *

DISTRICT : 03 FIELD NAME: MADISONVILLE, W. (WOODBINE -A-)
COUNTY : GRIMES FIELD NO. : 56599 500
EFF. DATE: 10/24/2014 LEASE NAME: SCAMARDO GRIMES, LP
LEASE NO : 26723

FOR THE PURPOSE OF: NEW OIL LEASE

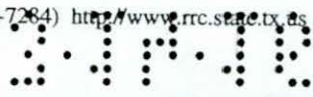
NAMED ON THE P-4:

| TYPE | NAME | CODE | PRODUCT | % OF TAKE |
|-----------|--------------------------------------|--------|---------|-----------|
| GATHERER | SUNOCO PTNRS. MKTG.&TERMINALS LP | SUNOC | OIL | 100.000 |
| GATHERER | ENERGY TRANSFER COMPANY | ENETR | CAS | 100.000 |
| PURCHASER | ENERGY TRANSFER COMPANY | 252017 | CAS | 100.000 |
| | SYSTEM: 0001 ENERGY TRANSFER COMPANY | | | |

PLEASE NOTIFY THE AUSTIN OFFICE OF THE RAILROAD COMMISSION IF ANY OF THE
ABOVE INFORMATION IS NOT CORRECT.

APPROVED BY
LORI WROTENBERY
DIRECTOR, O&G DIVISION
OIL AND GAS DIVISION

CC: RRC-03, AND ALL NAMED PARTIES



**CERTIFICATE OF
 POOLING AUTHORITY**

P-12

Revised 05/2001

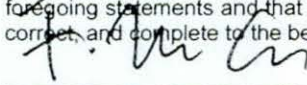
| | | |
|--|--|---|
| 1. Field Name(s) MADISONVILLE, W. (WOODBINE-A-) | 2. Lease/ID Number (if assigned) | 3. RRC District Number 03 |
| 4. Operator Name MARLIN ENERGY RESOURCES, LLC | 5. Operator P-5 Number 526446 | 6. Well Number 1H |
| 7. Pooled Unit Name SCAMARDO GRIMES LP | 8. API Number | 9. Purpose of Filing <input checked="" type="checkbox"/> Drilling Permit (W-1) <input type="checkbox"/> Completion Report |
| 10. County GRIMES | 11. Total acres in pooled unit 543.56 | |

DESCRIPTION OF INDIVIDUAL TRACTS CONTAINED WITHIN THE POOLED UNIT

| TRACT/PLAT IDENTIFIER | TRACT NAME | ACRES IN TRACT (See inst. #7 below) | INDICATE UNDIVIDED INTERESTS | |
|--------------------------|---------------------------|--|------------------------------|--------------------------|
| | | | UNLEASED | NON-POOLED |
| *1A | Andrew & Matilda Scamardo | 35.23 | <input type="checkbox"/> | <input type="checkbox"/> |
| 1B | Andrew & Matilda Scamardo | 37.3 | <input type="checkbox"/> | <input type="checkbox"/> |
| 2A | W. B. Leonard | 5.49 | <input type="checkbox"/> | <input type="checkbox"/> |
| 2B | W. B. Leonard | 1.93 | <input type="checkbox"/> | <input type="checkbox"/> |
| 2C | W. B. Leonard | 8.95 | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 | Charles McDuffie Jr. | 45.55 | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 | Keown Supply Co. | 123.36 | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 | STATE OF TEXAS | 12.31 | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 | Clear Lake Properties | 273.44 | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <input type="checkbox"/> | <input type="checkbox"/> |

CERTIFICATION:

I declare, under penalties prescribed pursuant to the Sec. 91.143, Texas Natural Resources Code, that I am authorized to make the foregoing statements and that the information provided by me or under my direction on this Certificate of Pooling Authority is true, correct, and complete to the best of my knowledge.


 Signature _____ F. Michael Lipari
 Land Manager Mike.Lipari@marlinenergy.net Print Name
 Title _____ Date 05/23/2014 Phone (337) 769-0032
 E-mail (if available)

INSTRUCTIONS — Reference: Statewide Rules 31, 38 and 40

- When two or more tracts are pooled to form a unit to obtain a drilling permit, file completion paperwork, or reform a pooled unit pursuant to Rule 38(d)(3) the operator must file an original Certificate of Pooling Authority and certified plat.
- The certified plat shall designate each tract with an outline and a tract identifier. The tract identifier on the plat shall correspond to the tract identifier and associated information listed on the Certificate.
- If within an individual tract, a non-pooled and/or unleased interest exists, indicate by checking the appropriate box.
- If the Purpose of Filing is to obtain a drilling permit, in box #1 list all applicable fields separately or enter "All Fields" if the Certificate pertains to all fields requested on Form W-1.
- If the Purpose of Filing is to file completion paperwork, enter the applicable field name in box #1 for the completion.
- Identify the drill site tract with an * to the left of the tract identifier.
- The total number of acres in the pooled unit in #11 should equal the total of all acres in the individual tracts listed.



STATEMENT OF PRODUCTIVITY OF ACREAGE
ASSIGNED TO PRORATION UNITS

Form P-15

Tracking No.: 118849

This facsimile P-15 was generated electronically
from data submitted to the RRC.

The undersigned states that he is authorized to make this statement; that he has knowledge of the facts concerning the MARLIN ENERGY RESOURCES, LLC ,
OPERATOR
SCAMARDO GRIMES, LP , No. 1H ; that such well is
LEASE WELL
completed in the MADISONVILLE, W. (WOODBINE -A-) Field, GRIMES County,
Texas and that the acreage claimed, and assigned to such well for proration purposes as
authorized by special rule and as shown on the attached certified plat embraces _____
543.56 acres which can reasonably be considered to be productive of hydrocarbons.

- CERTIFICATE

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction,

Date 11/03/2014 Signature Lee Lawson

Telephone (337) 412-1381 Title Regulatory Coordinator
AREA CODE



MARLIN ENERGY RESOURCES, LLC

SPECIALIZED PROSPECT

Scamardo #1-H Unit, Grimes County
Madisonville W. (Woodbine-A-)

Surface Location:

X=3,312,140 Y=422,310 (NAD 27)

LAT: N 30° 45' 36.352" LON: W 96° 09' 16.992" (NAD27)

Rig: Patterson 481

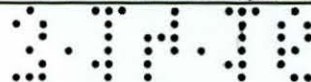
Shore Base: Marlin Office

GL: 223

RKB: 23

Development, Normal Pressure, Horizontal, Land Location, Potential Depletion

| Max Temp | Formation Evaluation | Frac Grad | Well Specifics | Mud |
|----------|---|---------------------------------|--|------------|
| | | 90' 90' BGL | 16" Conductor - Drilled In | |
| | | 13-1/2" Hole | | WBM |
| 150 °F | | 5,500 MD 5,500 TVD | 10 3/4", 45.5 #, J-55, BTC | 9.5 OBM |
| | Midway Shale @ 5,300' MD Pecan Gap @ 7,800' MD Austin Chalk @ 8,440' MD Sub Clarksville @ 8,900' | 9-7/8" Hole | KOP @ 8,350' MD /TVD Build Rate: 10"/100' EOB @ 9,312' MD / 8,978' TVD @ 90.7° Azimuth @ 289° & HOLD ** Potential Depletion Austin Chalk & Sub Clarksville Sand** | |
| | <u>ELECTRIC LOGS</u> N/A LWD - GR | 8959 TVD 9300 MD 8978 TVD | Woodbine 850 Sand Target Sand at 8,736' SS | |
| | GEOSTEERING | 8-3/4" Hole | | |
| | <u>Logging Entire Interval</u> LWD - GR GEOSTEERING | 15575 MD 8902 TVD | Note: 5", 18#, P-110, LTC f/0-8,400' Note: 4-1/2", 13.5#, P-110, Hydril 521 f/ 8,400' - 15,575' Lateral Length 6,275' | 9.5 |
| 250 °F | | | 4.5", 13.5 #, P-110, ydriil 521 / LT, TOC | 8,900 MD |



Cementor: Fill in shaded areas
Operator: Fill in other items

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

| | | | |
|--|-------------------------------|---------------------------|----------------------------------|
| 1. Operator's Name (As Shown on Form P-5, Organization Report) MARLIN ENERGY RESOURCES, LLC | 2. RRC Operator No. 526446 | 3. RRC District No. 03 | 4. County of Well Site GRIMES |
| 5. Field Name (Wildcat or Exactly as Shown on RRC Records) MADISONVILLE, W. (WOODBINE-A-) | 6. API No. 42- 185-30847 | | 7. Drilling Permit No. 787854 |
| 8. Lease Name SCAMARDO GRIMES, LP | 9. Rule 37 Case No. | 10. Oil Lease/Gas ID No. | 11. Well No. 1H |

| CASING CEMENTING DATA: | | Surface Casing | Intermediate Casing | PRODUCTION CASING | | MULTI-STAGE CEMENTING PROCESS | |
|---|--------------------------------------|----------------|---------------------|-------------------|---------------------------|-------------------------------|------|
| | | | | Single String | Multiple Parallel Strings | Tool | Shoe |
| 12. Cementing Date | | | | 9/5/2014 | | | |
| 13. *Drilled hole size | | | | | | | |
| *Est. % wash or hole enlargement | | | | | | | |
| 14. Size of casing (in. O.D.) | | | | 6 3/4" | | | |
| 15. Top of liner (ft) | | | | | | | |
| 16. Setting depth (ft) | | | | 15564' | | | |
| 17. Number of centralizers used | | | | 51 | | | |
| 18. Hrs. waiting on cement before drill-out | | | | N/A | | | |
| 1st slurry | 19. API cement used: No. of sacks > | | | 710 | | | |
| | Class > | | | H | | | |
| | Additives > | | | SEE 22 | | | |
| 2nd slurry | No. of sacks > | | | | | | |
| | Class > | | | | | | |
| | Additives > | | | | | | |
| 3rd slurry | No. of sacks > | | | | | | |
| | Class > | | | | | | |
| | Additives > | | | | | | |
| 1st | 20. Slurry pumped: Volume (cu.ft.) > | | | 1022 | | | |
| | Height (ft.) > | | | 7352 | | | |
| 2nd | Volume (cu.ft.) > | | | | | | |
| | Height (ft.) > | | | | | | |
| 3rd | Volume (cu.ft.) > | | | | | | |
| | Height (ft.) > | | | | | | |
| Total | Volume (cu.ft.) > | | | | | | |
| | Height (ft.) > | | | 7352 | | | |
| 21. Was cement circulated to ground surface (or bottom of collar) outside casing? | | | | NO | | | |
| 22. Remarks | | | | Sales Order | 901599309 | | |
| CMT: SILICALITE, HALAD 344, CFR-3, SCR-100, SUPER CBL, HALAD 413 | | | | Company | MARLIN ENERGY | | |
| | | | | Lease | SCAMARDO GRIMES | | |
| | | | | Well# | 1H | | |
| | | | | County | GRIMES | | |



| CEMENTING TO PLUG AND ABANDON | PLUG #1 | PLUG #2 | PLUG #3 | PLUG #4 | PLUG #5 | PLUG #6 | PLUG #7 | PLUG #8 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| 23. Cementing date | | | | | | | | |
| 24. Size of hole or pipe plugged (in.) | | | | | | | | |
| 25. Depth to bottom of tubing or drill pipe (ft.) | | | | | | | | |
| 26. Sacks of cement used (each plug) | | | | | | | | |
| 27. Slurry volume pumped (cu.ft.) | | | | | | | | |
| 28. Calculated top of plug (ft.) | | | | | | | | |
| 29. Measured top of plug, if tagged (ft.) | | | | | | | | |
| 30. Slurry wt. (lbs/gal) | | | | | | | | |
| 31. Type cement | | | | | | | | |

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

PAUL SPRINGER
Name and Title of Cementer's Representative

HALLIBURTON ENERGY SERVICES
Cementing Company


Signature

1109 FOUNDATION RD Catchwell TX 77836
Address City, State, Zip Code

979-567-2100
Tel: Area Code Number

9/5/2014
Date: Mo. Day Yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

NICK REZVANI
Typed or Printed Name of Operator's Representative

DRILL/COMP MANAGER
Title


Signature

3861 AMB. CAFF. PKW. LAFAYETTE, LA 70503
Address City, State, Zip Code

337-769-0032
Tel: Area Code Number

11/05/14
Date: Mo. Day Yr.

Instruction to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion, and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- * An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- * Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- * Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. **An operator must obtain approval of any exception before beginning casing and cementing operations.**

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

Cementer: Fill in shaded areas
Operator: Fill in other items

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

| | | | |
|---|--------------------------------------|---|---|
| 1. Operator's Name (As Shown on Form P-5, Organization Report) MARLIN ENERGY RESOURCES, LLC | 2. RRC Operator No. 526446 | 3. RRC District No. 03 | 4. County of Well Site GRIMES |
| 5. Field Name (Wildcat or Exactly as Shown on RRC Records) MADISONVILLE, W. (WOODBINE-A-) | 6. API No. 42-185-30847 | 7. Drilling Permit No. 787854 | |
| 8. Lease Name SCAMARDO GRIMES, LP | 9. Rule 37 Case No. | 10. Oil Lease/Gas ID No. | 11. Well No. 1H |

| CASING CEMENTING DATA: | | SURFACE CASING | INTER-MEDIATE CASING | PRODUCTION CASING | | MULTI-STAGE CEMENTING PROCESS | |
|--|--------------------------------------|----------------|----------------------|-------------------|---------------------------|--|------|
| | | | | Single String | Multiple Parallel Strings | Tool | Shoe |
| 12. Cementing Date | | | 8/12/2014 | | | | |
| 13. *Drilled hole size | | | 9 7/8" | | | | |
| *Est. % wash or hole enlargement | | | | | | | |
| 14. Size of casing (in. O.D.) | | | 7 5/8" | | | | |
| 15. Top of liner (ft) | | | | | | | |
| 16. Setting depth (ft) | | | 9202 | | | | |
| 17. Number of centralizers used | | | N/A | | | | |
| 18. Hrs. waiting on cement before drill-out | | | 45.5 | | | | |
| 1st Slurry | 19. API cement used: No. of sacks ▶ | | 590 | | | | |
| | Class ▶ | | PREMIUM H | | | | |
| | Additives ▶ | | SEE LINE 22 | | | | |
| 2nd Slurry | No. of sacks ▶ | | | | | | |
| | Class ▶ | | | | | | |
| | Additives ▶ | | | | | | |
| 3rd Slurry | No. of sacks ▶ | | | | | | |
| | Class ▶ | | | | | | |
| | Additives ▶ | | | | | | |
| 1st | 20. Slurry pumped: Volume (cu.ft.) ▶ | | 790.6 | | | | |
| | Height (ft.) ▶ | | 3681 | | | | |
| 2nd | Volume (cu.ft.) ▶ | | | | | | |
| | Height (ft.) ▶ | | | | | | |
| 3rd | Volume (cu.ft.) ▶ | | | | | | |
| | Height (ft.) ▶ | | | | | | |
| Total | Volume (cu.ft.) ▶ | | 790.6 | | | | |
| | Height (ft.) ▶ | | 3681 | | | | |
| 21. Was cement circulated to ground surface (or bottom of cellar) outside casing? | | | | | | | |
| 22. Remarks CEMENT-37.42 LBM-POZMIX A,2% BENTONITE,10LBM SS-200,0.40%HALAD,0.15%CFR-3,0.10%SA-1015 0.15%HR-800 | | | | | | Sales Order 0 901571704 Customer Name MARLIN Lease SCAMARDO GRIMES LP Well Number 1H GRIMES County | |

OVER ►



| CEMENTING TO PLUG AND ABANDON | PLUG #1 | PLUG #2 | PLUG #3 | PLUG #4 | PLUG #5 | PLUG #6 | PLUG #7 | PLUG #8 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| 23. Cementing date | | | | | | | | |
| 24. Size of hole or pipe plugged (in.) | | | | | | | | |
| 25. Depth to bottom of tubing or drill pipe (ft.) | | | | | | | | |
| 26. Sacks of cement used (each plug) | | | | | | | | |
| 27. Slurry volume pumped (cu.ft.) | | | | | | | | |
| 28. Calculated top of plug (ft.) | | | | | | | | |
| 29. Measured top of plug, if tagged (ft.) | | | | | | | | |
| 30. Slurry wt. (lbs/gal) | | | | | | | | |
| 31. Type cement | | | | | | | | |

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

EDWARD DORSEY SS-1
Name and Title of Cementer's Representative

Halliburton Energy Services
Cementing Company

Edward Dorsey
Signature

1109 FOUNDATION DRIVE CALDWELL TX
Address City State, Zip Code

77836

979-567-2100
Tel: Area Code Number

8/12/2014
Date: Mo. Day Yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

NICK REZVANI
Typed or Printed Name of Operator's Representative

DRILL/COMP MANAGER
Title

[Signature]
Signature

3861 AMB. CAFF. PARK. LAFAYETTE, LA 70503
Address City, State, Zip Code

337-769-0032
Tel: Area Code Number

11/25/14
Date: Mo. Day Yr.

Instruction to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion, and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

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- * Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- * Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

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E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.



Cementor: Fill in shaded areas
Operator: Fill in other items

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

| | | | |
|---|--------------------------------------|----------------------------------|---|
| 1. Operator's Name (As Shown on Form P-5, Organization Report) MARLIN ENERGY RESOURCES, LLC | 2. RRC Operator No. 526446 | 3. RRC District No. 03 | 4. County of Well Site GRIMES |
| 5. Field Name (Wildcat or Exactly as Shown on RRC Records) MADISONVILLE, W. (WOODBINE-A-) | 6. API No. 42-185-30847 | | 7. Drilling Permit No. 787854 |
| 8. Lease Name SCAMARDO GRIMES, LP | 9. Rule 37 Case No. | 10. Oil Lease/Gas ID No. | 11. Well No. 1H |

| CASING CEMENTING DATA | | Surface | Intermediate | PRODUCTION CASING | | MULTI-STAGE CEMENTING PROCESS | |
|---|--------------------------------------|----------|--------------|---------------------------------|---------------------------|-------------------------------|------|
| | | Casing | Casing | Single String | Multiple Parallel Strings | Tool | Shoe |
| 12. Cementing Date | | 8/4/2014 | | | | | |
| 13. *Drilled hole size | | 13 1/2" | | | | | |
| *Est. % wash or hole enlargement | | | | | | | |
| 14. Size of casing (in. O.D.) | | 10 3/4" | | | | | |
| 15. Top of liner (ft) | | | | | | | |
| 16. Setting depth (ft) | | 3008 | | | | | |
| 17. Number of centralizers used | | 30 | | | | | |
| 18. Hrs. waiting on cement before drill-out | | 29.5 | | | | | |
| 1st Slurry | 19. API cement used: No. of sacks > | 950 | | | | | |
| | Class > | H | | | | | |
| | Additives > | SEE 22 | | | | | |
| 2nd Slurry | No. of sacks > | 490 | | | | | |
| | Class > | H | | | | | |
| | Additives > | SEE 22 | | | | | |
| 3rd Slurry | No. of sacks > | | | | | | |
| | Class > | | | | | | |
| | Additives > | | | | | | |
| 1st | 20. Slurry pumped: Volume (cu.ft.) > | 2090 | | | | | |
| | Height (ft.) > | 1619 | | | | | |
| 2nd | Volume (cu.ft.) > | 534 | | | | | |
| | Height (ft.) > | 1389 | | | | | |
| 3rd | Volume (cu.ft.) > | | | | | | |
| | Height (ft.) > | | | | | | |
| Total | Volume (cu.ft.) > | 2624 | | | | | |
| | Height (ft.) > | 3008 | | | | | |
| 21. Was cement circulated to ground surface (or bottom of cellar) outside casing? | | YES | | | | | |
| 22. Remarks 150 BLS CEMENT PUMPED TO SURFACE LEAD: ECONOLITE, FE-2, HR-7 TAIL: HR-800 | | | | Sales Order 901560200 | | | |
| | | | | Company MARLIN ENERGY | | | |
| | | | | Lease SCAMARDO GRIMES | | | |
| | | | | Well# 1H | | | |
| | | | | County GRIMES | | | |

OVER →



| CEMENTING TO PLUG AND ABANDON | PLUG #1 | PLUG #2 | PLUG #3 | PLUG #4 | PLUG #5 | PLUG #6 | PLUG #7 | PLUG #8 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| 23. Cementing date | | | | | | | | |
| 24. Size of hole or pipe plugged (in.) | | | | | | | | |
| 25. Depth to bottom of tubing or drill pipe (ft.) | | | | | | | | |
| 26. Sacks of cement used (each plug) | | | | | | | | |
| 27. Slurry volume pumped (cu.ft.) | | | | | | | | |
| 28. Calculated top of plug (ft.) | | | | | | | | |
| 29. Measured top of plug, if tagged (ft.) | | | | | | | | |
| 30. Slurry wt. (lbs/gal) | | | | | | | | |
| 31. Type cement | | | | | | | | |

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

PAUL SPRINGER
Name and Title of Cementer's Representative

HALLIBURTON ENERGY SERVICES
Cementing Company

Signature

1109 FOUNDATION RD Caldwell TX 77836
Address City, State, Zip Code

979-567-2100
Tel: Area Code Number

6/4/2014
Date: Mo. Day Yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

NICK REZVANI
Typed or Printed Name of Operator's Representative

DRILL/COMP MANAGER
Title

Signature

3861 AMB. CAFF. PARK LAFAYETTE, LA 70503
Address City, State, Zip Code

337-769-0032
Tel: Area Code Number

11/05/14
Date: Mo. Day Yr.

Instruction to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion, and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- * An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- * Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- * Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. **An operator must obtain approval of any exception before beginning casing and cementing operations.**

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.



Marlin Energy Resources

Scamardo Grimes LP 1H

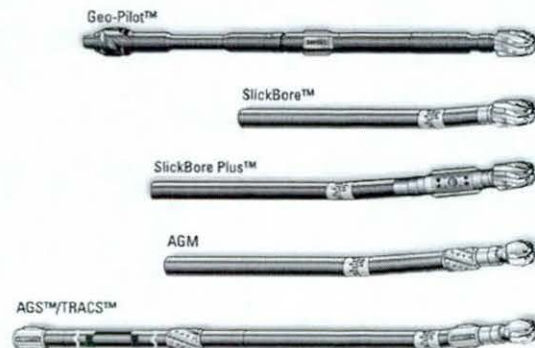
Grimes County, Texas

Rig: Nabors M12

Sperry Drilling

End of Well Report

Prepared For: Marlin Energy Resources



September 10, 2014

Submitted by:

Clyde J. Geoffroy - Well Planner

Paul Cantu - Directional Drilling Coordinator

Eddy Nink - Sperry Account Rep.

1-800-332-3992

Houston, TX 77032

HALLIBURTON



Marlin Energy Resources

Scamarbo Grimes LP 1H
Grimes County, TX

End of Well Report

Table of Contents

| | |
|--------------------------------------|-----------|
| Final Surveys and Plot | Section 1 |
| Well Summary and Graphs | Section 2 |
| BHA Performance Records..... | Section 3 |
| Daily Drilling Activity Reports..... | Section 4 |

HALLIBURTON

Sperry Drilling





Project: Grimes County, Texas
Site: Scamardo Grimes, LP
Well: Scamardo Grimes, LP No 1H
Wellbore: ST01
Plan: Surveys
Rig: Nabors M 12

Surface Location:

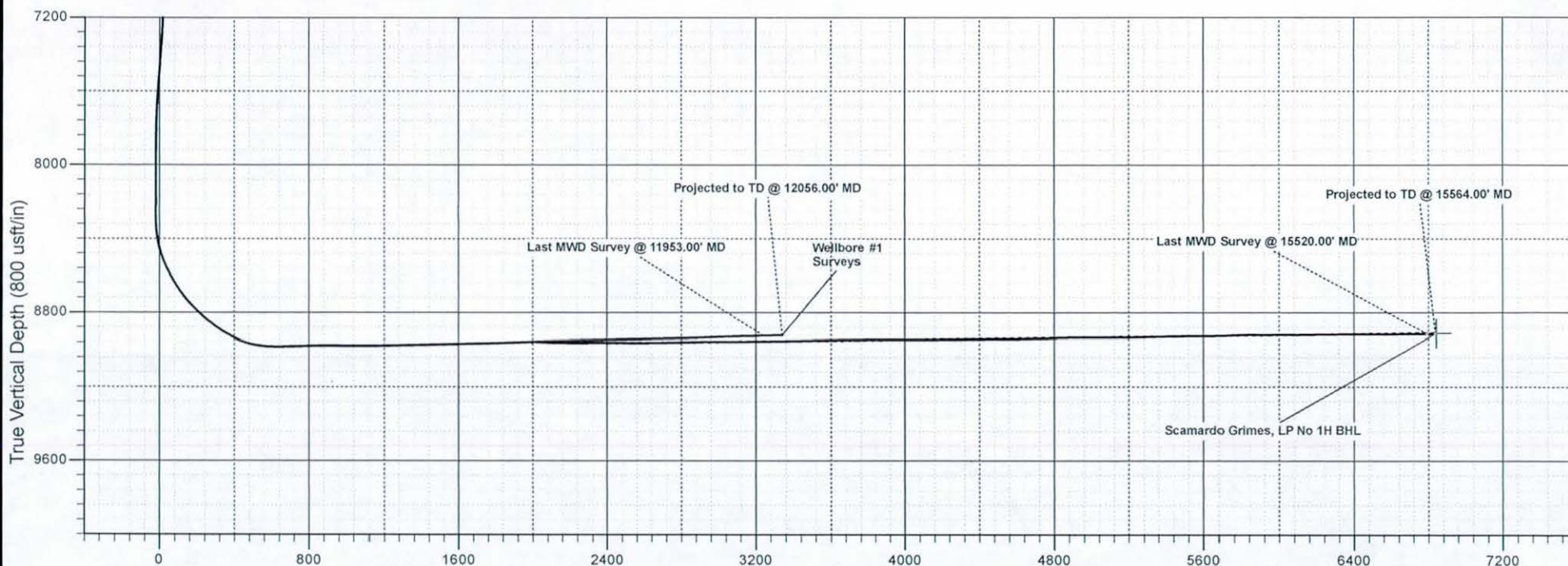
US State Plane 1927 (Exact solution)
 Texas Central 4203
 Elevation: GL 223' + KB 23' @ 246.00usft (Nabors M 12)
Northing **Easting** **Latitude** **Longitude**
 422310.51 3312140.87 30° 45' 36.352 N 96° 9' 16.992 W

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|-------------------------------|---------|---------|----------|-----------|------------|-----------------|------------------|
| Scamardo Grimes, LP No 1H BHL | 8911.40 | 2227.49 | -6469.87 | 424538.00 | 3305671.00 | 30° 46' 0.786 N | 96° 10' 30.143 W |

To convert a Magnetic Direction to a Grid Direction, Add 1.13°

Magnetic Model: BGGM2014 Date: 20-Aug-14
 Azimuths to Grid North



Vertical Section at 289.28° (800 usft/in)

Marlin Energy Resources

HALLIBURTON | Sperry Drilling

Project: Grimes County, Texas
 Site: Scamardo Grimes, LP
 Well: Scamardo Grimes, LP No 1H
 Wellbore: ST01
 Plan: Surveys
 Rig: Nabors M 12

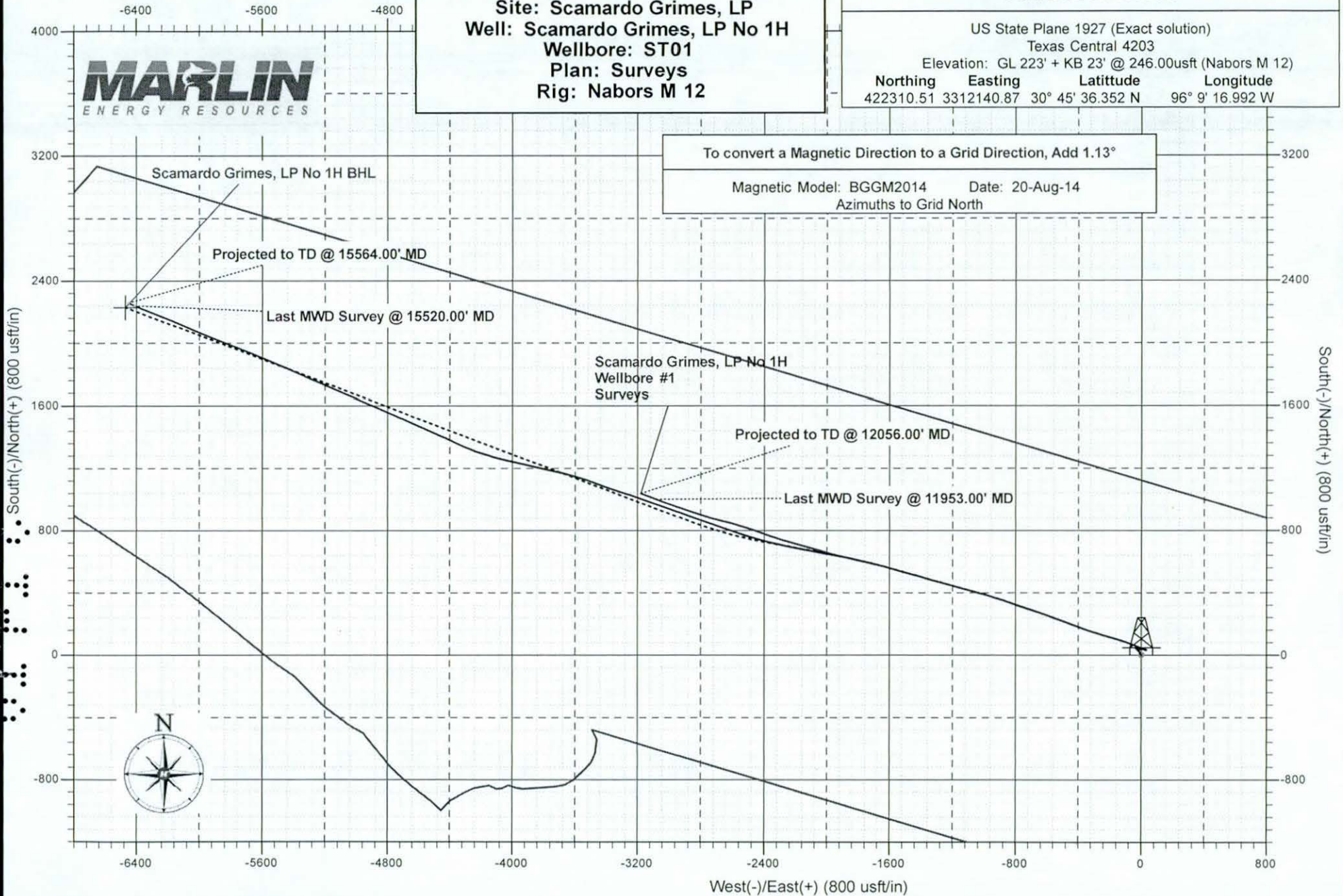
SURFACE LOCATION

US State Plane 1927 (Exact solution)
 Texas Central 4203
 Elevation: GL 223' + KB 23' @ 246.00usft (Nabors M 12)

| Northing | Easting | Latitude | Longitude |
|-----------|------------|------------------|-----------------|
| 422310.51 | 3312140.87 | 30° 45' 36.352 N | 96° 9' 16.992 W |

To convert a Magnetic Direction to a Grid Direction, Add 1.13°

Magnetic Model: BGGM2014 Date: 20-Aug-14
 Azimuths to Grid North



Marlin Energy Resources

Grimes County, Texas

Scamardo Grimes, LP

Scamardo Grimes, LP No 1H

Wellbore #1

Design: Surveys

Sperry Drilling Services Combo Report

09 September, 2014

Well Coordinates: 422,310.51 N, 3,312,140.87 E (30° 45' 36.35" N, 096° 09' 16.99" W)

Ground Level: 223.00 usft

Local Coordinate Origin: Centered on Well Scamardo Grimes, LP No 1H

Viewing Datum: GL 223' + KB 23' @ 246.00usft (Nabors M 12)

TVDs to System: N

North Reference: Grid

Unit System: API - US Survey Feet

Version: 5000.1 Build: 72

HALLIBURTON

HALLIBURTON**Design Report for Scamardo Grimes, LP No 1H - Surveys**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | TVD below System (usft) | Vertical Depth (usft) | Local Coordinates (usft) | | Map Coordinates (usft) | | Dogleg Rate (°/100usft) | Vertical Section (usft) | Comments |
|-----------------------|-----------------|-------------|-------------------------|-----------------------|--------------------------|---------|------------------------|--------------|-------------------------|-------------------------|----------|
| | | | | | Northing | Easting | Northing | Easting | | | |
| 0.00 | 0.00 | 0.00 | -246.00 | 0.00 | 0.00 N | 0.00 E | 422,310.51 | 3,312,140.87 | 0.00 | 0.00 | |
| 112.00 | 0.90 | 307.87 | -134.00 | 112.00 | 0.54 N | 0.69 W | 422,311.05 | 3,312,140.18 | 0.80 | 0.83 | |
| 202.00 | 0.71 | 297.20 | -44.01 | 201.99 | 1.23 N | 1.75 W | 422,311.74 | 3,312,139.12 | 0.27 | 2.05 | |
| 292.00 | 0.72 | 330.69 | 45.98 | 291.98 | 1.98 N | 2.52 W | 422,312.49 | 3,312,138.35 | 0.46 | 3.03 | |
| 382.00 | 0.65 | 333.08 | 135.97 | 381.97 | 2.93 N | 3.03 W | 422,313.44 | 3,312,137.84 | 0.08 | 3.82 | |
| 475.00 | 0.51 | 332.20 | 228.97 | 474.97 | 3.76 N | 3.46 W | 422,314.27 | 3,312,137.41 | 0.15 | 4.50 | |
| 568.00 | 0.48 | 341.66 | 321.97 | 567.97 | 4.50 N | 3.78 W | 422,315.01 | 3,312,137.09 | 0.09 | 5.03 | |
| 661.00 | 0.28 | 283.61 | 414.96 | 660.96 | 4.92 N | 4.12 W | 422,315.43 | 3,312,136.75 | 0.44 | 5.50 | |
| 754.00 | 0.23 | 274.53 | 507.96 | 753.96 | 4.99 N | 4.53 W | 422,315.50 | 3,312,136.34 | 0.07 | 5.90 | |
| 847.00 | 0.24 | 272.06 | 600.96 | 846.96 | 5.01 N | 4.91 W | 422,315.52 | 3,312,135.96 | 0.02 | 6.27 | |
| 940.00 | 0.20 | 282.83 | 693.96 | 939.96 | 5.05 N | 5.26 W | 422,315.56 | 3,312,135.61 | 0.06 | 6.62 | |
| 1,035.00 | 0.09 | 346.19 | 788.96 | 1,034.96 | 5.16 N | 5.44 W | 422,315.67 | 3,312,135.43 | 0.19 | 6.82 | |
| 1,130.00 | 0.89 | 345.33 | 883.96 | 1,129.96 | 5.95 N | 5.64 W | 422,316.46 | 3,312,135.23 | 0.84 | 7.27 | |
| 1,225.00 | 1.38 | 339.83 | 978.94 | 1,224.94 | 7.74 N | 6.23 W | 422,318.25 | 3,312,134.64 | 0.53 | 8.41 | |
| 1,320.00 | 1.31 | 342.75 | 1,073.91 | 1,319.91 | 9.85 N | 6.94 W | 422,320.36 | 3,312,133.93 | 0.10 | 9.77 | |
| 1,415.00 | 1.08 | 350.07 | 1,168.89 | 1,414.89 | 11.77 N | 7.42 W | 422,322.28 | 3,312,133.45 | 0.29 | 10.85 | |
| 1,510.00 | 0.70 | 325.33 | 1,263.88 | 1,509.88 | 13.13 N | 7.90 W | 422,323.64 | 3,312,132.97 | 0.56 | 11.75 | |
| 1,605.00 | 0.70 | 336.93 | 1,358.87 | 1,604.87 | 14.14 N | 8.46 W | 422,324.65 | 3,312,132.41 | 0.15 | 12.60 | |
| 1,700.00 | 0.76 | 330.85 | 1,453.86 | 1,699.86 | 15.22 N | 9.00 W | 422,325.73 | 3,312,131.87 | 0.10 | 13.46 | |
| 1,795.00 | 0.70 | 333.21 | 1,548.86 | 1,794.86 | 16.29 N | 9.56 W | 422,326.80 | 3,312,131.31 | 0.07 | 14.35 | |
| 1,890.00 | 0.76 | 320.86 | 1,643.85 | 1,889.85 | 17.30 N | 10.22 W | 422,327.81 | 3,312,130.65 | 0.18 | 15.30 | |
| 1,985.00 | 0.77 | 315.05 | 1,738.84 | 1,984.84 | 18.24 N | 11.07 W | 422,328.75 | 3,312,129.80 | 0.08 | 16.41 | |
| 2,080.00 | 0.73 | 325.17 | 1,833.83 | 2,079.83 | 19.18 N | 11.87 W | 422,329.69 | 3,312,129.00 | 0.15 | 17.47 | |
| 2,175.00 | 0.77 | 327.73 | 1,928.82 | 2,174.82 | 20.22 N | 12.55 W | 422,330.73 | 3,312,128.32 | 0.05 | 18.45 | |
| 2,270.00 | 0.85 | 325.61 | 2,023.82 | 2,269.82 | 21.34 N | 13.29 W | 422,331.85 | 3,312,127.58 | 0.09 | 19.52 | |
| 2,365.00 | 0.88 | 339.47 | 2,118.80 | 2,364.80 | 22.61 N | 13.95 W | 422,333.12 | 3,312,126.92 | 0.22 | 20.55 | |
| 2,460.00 | 0.85 | 333.32 | 2,213.79 | 2,459.79 | 23.92 N | 14.52 W | 422,334.43 | 3,312,126.35 | 0.10 | 21.52 | |
| 2,555.00 | 0.82 | 326.78 | 2,308.78 | 2,554.78 | 25.12 N | 15.21 W | 422,335.63 | 3,312,125.66 | 0.11 | 22.56 | |
| 2,650.00 | 0.78 | 330.38 | 2,403.77 | 2,649.77 | 26.25 N | 15.90 W | 422,336.76 | 3,312,124.97 | 0.07 | 23.58 | |
| 2,745.00 | 0.71 | 333.41 | 2,498.77 | 2,744.77 | 27.34 N | 16.48 W | 422,337.85 | 3,312,124.39 | 0.08 | 24.49 | |
| 2,840.00 | 0.42 | 347.37 | 2,593.76 | 2,839.76 | 28.20 N | 16.82 W | 422,338.71 | 3,312,124.05 | 0.34 | 25.09 | |
| 2,935.00 | 0.34 | 343.85 | 2,688.76 | 2,934.76 | 28.81 N | 16.98 W | 422,339.32 | 3,312,123.89 | 0.09 | 25.43 | |
| 3,030.00 | 0.42 | 353.95 | 2,783.76 | 3,029.76 | 29.43 N | 17.09 W | 422,339.94 | 3,312,123.78 | 0.11 | 25.74 | |
| 3,125.00 | 0.34 | 30.63 | 2,878.76 | 3,124.76 | 30.02 N | 16.99 W | 422,340.53 | 3,312,123.88 | 0.26 | 25.83 | |
| 3,220.00 | 0.23 | 346.24 | 2,973.75 | 3,219.75 | 30.45 N | 16.89 W | 422,340.96 | 3,312,123.98 | 0.25 | 25.88 | |
| 3,315.00 | 0.08 | 84.83 | 3,068.75 | 3,314.75 | 30.64 N | 16.87 W | 422,341.15 | 3,312,124.00 | 0.27 | 25.92 | |
| 3,410.00 | 0.21 | 79.31 | 3,163.75 | 3,409.75 | 30.68 N | 16.63 W | 422,341.19 | 3,312,124.24 | 0.14 | 25.71 | |
| 3,505.00 | 0.44 | 118.15 | 3,258.75 | 3,504.75 | 30.54 N | 16.14 W | 422,341.05 | 3,312,124.73 | 0.32 | 25.20 | |
| 3,600.00 | 0.55 | 76.81 | 3,353.75 | 3,599.75 | 30.47 N | 15.37 W | 422,340.98 | 3,312,125.50 | 0.38 | 24.45 | |
| 3,695.00 | 0.29 | 118.33 | 3,448.75 | 3,694.75 | 30.46 N | 14.72 W | 422,340.97 | 3,312,126.15 | 0.40 | 23.83 | |

HALLIBURTON**Design Report for Scamardo Grimes, LP No 1H - Surveys**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | TVD below System (usft) | Vertical Depth (usft) | Local Coordinates Northing (usft) Easting (usft) | | Map Coordinates Northing (usft) Easting (usft) | | Dogleg Rate (°/100usft) | Vertical Section (usft) | Comments |
|-----------------------------|--------------------|----------------|-------------------------------|-----------------------------|--|---------|--|--------------|-------------------------------|-------------------------------|----------|
| 3,790.00 | 0.23 | 33.17 | 3,543.75 | 3,789.75 | 30.50 N | 14.40 W | 422,341.01 | 3,312,126.47 | 0.37 | 23.55 | |
| 3,885.00 | 0.26 | 166.26 | 3,638.75 | 3,884.75 | 30.46 N | 14.24 W | 422,340.97 | 3,312,126.63 | 0.47 | 23.38 | |
| 3,980.00 | 0.66 | 183.97 | 3,733.74 | 3,979.74 | 29.70 N | 14.23 W | 422,340.21 | 3,312,126.64 | 0.44 | 23.13 | |
| 4,075.00 | 0.65 | 193.98 | 3,828.74 | 4,074.74 | 28.63 N | 14.40 W | 422,339.14 | 3,312,126.47 | 0.12 | 22.94 | |
| 4,170.00 | 0.71 | 216.72 | 3,923.73 | 4,169.73 | 27.64 N | 14.88 W | 422,338.15 | 3,312,125.99 | 0.29 | 23.07 | |
| 4,265.00 | 0.68 | 232.19 | 4,018.72 | 4,264.72 | 26.82 N | 15.68 W | 422,337.33 | 3,312,125.19 | 0.20 | 23.56 | |
| 4,360.00 | 0.60 | 269.94 | 4,113.72 | 4,359.72 | 26.47 N | 16.62 W | 422,336.98 | 3,312,124.25 | 0.44 | 24.33 | |
| 4,455.00 | 0.50 | 271.48 | 4,208.71 | 4,454.71 | 26.48 N | 17.53 W | 422,336.99 | 3,312,123.34 | 0.11 | 25.20 | |
| 4,550.00 | 0.63 | 255.91 | 4,303.71 | 4,549.71 | 26.37 N | 18.45 W | 422,336.88 | 3,312,122.42 | 0.21 | 26.03 | |
| 4,645.00 | 0.68 | 295.78 | 4,398.70 | 4,644.70 | 26.48 N | 19.47 W | 422,336.99 | 3,312,121.40 | 0.47 | 27.03 | |
| 4,740.00 | 1.19 | 331.71 | 4,493.69 | 4,739.69 | 27.60 N | 20.44 W | 422,338.11 | 3,312,120.43 | 0.79 | 28.31 | |
| 4,835.00 | 0.98 | 318.86 | 4,588.67 | 4,834.67 | 29.08 N | 21.45 W | 422,339.59 | 3,312,119.42 | 0.34 | 29.74 | |
| 4,930.00 | 1.26 | 337.64 | 4,683.66 | 4,929.66 | 30.66 N | 22.38 W | 422,341.17 | 3,312,118.49 | 0.48 | 31.14 | |
| 5,025.00 | 1.88 | 315.90 | 4,778.62 | 5,024.62 | 32.74 N | 23.86 W | 422,343.25 | 3,312,117.01 | 0.89 | 33.22 | |
| 5,120.00 | 2.93 | 305.60 | 4,873.54 | 5,119.54 | 35.27 N | 26.92 W | 422,345.78 | 3,312,113.95 | 1.19 | 36.94 | |
| 5,215.00 | 2.03 | 312.41 | 4,968.45 | 5,214.45 | 37.82 N | 30.13 W | 422,348.33 | 3,312,110.74 | 1.00 | 40.81 | |
| 5,310.00 | 1.52 | 330.15 | 5,063.40 | 5,309.40 | 40.05 N | 32.00 W | 422,350.56 | 3,312,108.87 | 0.78 | 43.30 | |
| 5,405.00 | 1.03 | 346.21 | 5,158.38 | 5,404.38 | 41.97 N | 32.83 W | 422,352.48 | 3,312,108.04 | 0.63 | 44.71 | |
| 5,500.00 | 1.02 | 354.68 | 5,253.36 | 5,499.36 | 43.64 N | 33.12 W | 422,354.15 | 3,312,107.75 | 0.16 | 45.52 | |
| 5,595.00 | 0.72 | 347.07 | 5,348.35 | 5,594.35 | 45.07 N | 33.33 W | 422,355.58 | 3,312,107.54 | 0.34 | 46.19 | |
| 5,690.00 | 0.85 | 8.42 | 5,443.34 | 5,689.34 | 46.35 N | 33.36 W | 422,356.86 | 3,312,107.51 | 0.33 | 46.63 | |
| 5,785.00 | 1.18 | 17.99 | 5,538.33 | 5,784.33 | 47.97 N | 32.95 W | 422,358.48 | 3,312,107.92 | 0.39 | 46.78 | |
| 5,880.00 | 0.81 | 21.68 | 5,633.31 | 5,879.31 | 49.53 N | 32.40 W | 422,360.04 | 3,312,108.47 | 0.40 | 46.76 | |
| 5,975.00 | 1.73 | 117.09 | 5,728.30 | 5,974.30 | 49.50 N | 30.88 W | 422,360.01 | 3,312,109.99 | 2.08 | 45.31 | |
| 6,070.00 | 3.68 | 131.19 | 5,823.19 | 6,069.19 | 46.84 N | 27.31 W | 422,357.35 | 3,312,113.56 | 2.15 | 41.07 | |
| 6,165.00 | 4.13 | 136.03 | 5,917.97 | 6,163.97 | 42.37 N | 22.64 W | 422,352.88 | 3,312,118.23 | 0.59 | 35.20 | |
| 6,260.00 | 2.96 | 131.08 | 6,012.78 | 6,258.78 | 38.29 N | 18.41 W | 422,348.80 | 3,312,122.46 | 1.27 | 29.88 | |
| 6,355.00 | 2.60 | 127.04 | 6,107.67 | 6,353.67 | 35.38 N | 14.84 W | 422,345.89 | 3,312,126.03 | 0.43 | 25.56 | |
| 6,450.00 | 0.76 | 130.18 | 6,202.63 | 6,448.63 | 33.68 N | 12.64 W | 422,344.19 | 3,312,128.23 | 1.94 | 22.92 | |
| 6,545.00 | 0.28 | 317.63 | 6,297.62 | 6,543.62 | 33.44 N | 12.32 W | 422,343.95 | 3,312,128.55 | 1.09 | 22.54 | |
| 6,640.00 | 0.82 | 339.19 | 6,392.62 | 6,638.62 | 34.25 N | 12.72 W | 422,344.76 | 3,312,128.15 | 0.60 | 23.17 | |
| 6,735.00 | 0.80 | 6.48 | 6,487.61 | 6,733.61 | 35.55 N | 12.88 W | 422,346.06 | 3,312,127.99 | 0.40 | 23.75 | |
| 6,830.00 | 0.83 | 18.28 | 6,582.60 | 6,828.60 | 36.86 N | 12.59 W | 422,347.37 | 3,312,128.28 | 0.18 | 23.91 | |
| 6,925.00 | 0.89 | 7.99 | 6,677.59 | 6,923.59 | 38.24 N | 12.27 W | 422,348.75 | 3,312,128.60 | 0.17 | 24.06 | |
| 7,020.00 | 1.72 | 61.24 | 6,772.57 | 7,018.57 | 39.66 N | 10.92 W | 422,350.17 | 3,312,129.95 | 1.46 | 23.24 | |
| 7,115.00 | 2.27 | 87.23 | 6,867.51 | 7,113.51 | 40.44 N | 7.79 W | 422,350.95 | 3,312,133.08 | 1.10 | 20.53 | |
| 7,210.00 | 2.55 | 91.44 | 6,962.43 | 7,208.43 | 40.47 N | 3.80 W | 422,350.98 | 3,312,137.07 | 0.35 | 16.77 | |
| 7,305.00 | 3.29 | 92.40 | 7,057.30 | 7,303.30 | 40.31 N | 1.04 E | 422,350.82 | 3,312,141.91 | 0.78 | 12.14 | |
| 7,400.00 | 4.04 | 102.30 | 7,152.11 | 7,398.11 | 39.48 N | 7.03 E | 422,349.99 | 3,312,147.90 | 1.03 | 6.21 | |

HALLIBURTON

Design Report for Scamardo Grimes, LP No 1H - Surveys

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | TVD below System (usft) | Vertical Depth (usft) | Local Coordinates Northing (usft) Easting (usft) | | Map Coordinates Northing (usft) Easting (usft) | | Dogleg Rate (°/100usft) | Vertical Section (usft) | Comments |
|-----------------------------|--------------------|----------------|-------------------------------|-----------------------------|--|----------|--|--------------|-------------------------------|-------------------------------|--------------------------------|
| 7,495.00 | 4.23 | 106.84 | 7,246.86 | 7,492.86 | 37.75 N | 13.65 E | 422,348.26 | 3,312,154.52 | 0.40 | -0.62 | |
| 7,590.00 | 4.29 | 108.28 | 7,341.60 | 7,587.60 | 35.62 N | 20.38 E | 422,346.13 | 3,312,161.25 | 0.13 | -7.67 | |
| 7,685.00 | 3.00 | 104.63 | 7,436.41 | 7,682.41 | 33.88 N | 26.16 E | 422,344.39 | 3,312,167.03 | 1.38 | -13.70 | |
| 7,780.00 | 1.48 | 94.50 | 7,531.33 | 7,777.33 | 33.16 N | 29.79 E | 422,343.67 | 3,312,170.66 | 1.65 | -17.37 | |
| 7,875.00 | 0.97 | 61.99 | 7,626.31 | 7,872.31 | 33.44 N | 31.72 E | 422,343.95 | 3,312,172.59 | 0.89 | -19.11 | |
| 7,970.00 | 0.18 | 67.71 | 7,721.30 | 7,967.30 | 33.87 N | 32.57 E | 422,344.38 | 3,312,173.44 | 0.83 | -19.77 | |
| 8,065.00 | 0.14 | 184.96 | 7,816.30 | 8,062.30 | 33.81 N | 32.70 E | 422,344.32 | 3,312,173.57 | 0.29 | -19.91 | |
| 8,160.00 | 0.24 | 177.27 | 7,911.30 | 8,157.30 | 33.50 N | 32.70 E | 422,344.01 | 3,312,173.57 | 0.11 | -20.01 | |
| 8,273.00 | 0.35 | 190.86 | 8,024.30 | 8,270.30 | 32.92 N | 32.64 E | 422,343.43 | 3,312,173.51 | 0.11 | -20.15 | Last Gyro Survey @ 8273.00' MD |
| 8,322.00 | 1.68 | 278.29 | 8,073.29 | 8,319.29 | 32.88 N | 31.90 E | 422,343.39 | 3,312,172.77 | 3.47 | -19.46 | |
| 8,354.00 | 5.54 | 288.00 | 8,105.22 | 8,351.22 | 33.42 N | 29.97 E | 422,343.93 | 3,312,170.84 | 12.17 | -17.46 | |
| 8,386.00 | 8.44 | 288.71 | 8,136.98 | 8,382.98 | 34.65 N | 26.28 E | 422,345.16 | 3,312,167.15 | 9.07 | -13.56 | |
| 8,418.00 | 11.05 | 288.76 | 8,168.52 | 8,414.52 | 36.39 N | 21.15 E | 422,346.90 | 3,312,162.02 | 8.16 | -8.15 | |
| 8,450.00 | 14.06 | 290.82 | 8,199.75 | 8,445.75 | 38.76 N | 14.61 E | 422,349.27 | 3,312,155.48 | 9.51 | -1.19 | |
| 8,481.00 | 16.79 | 291.17 | 8,229.63 | 8,475.63 | 41.72 N | 6.91 E | 422,352.23 | 3,312,147.78 | 8.81 | 7.05 | |
| 8,513.00 | 19.65 | 291.92 | 8,260.02 | 8,506.02 | 45.40 N | 2.39 W | 422,355.91 | 3,312,138.48 | 8.97 | 17.04 | |
| 8,545.00 | 22.32 | 292.75 | 8,289.90 | 8,535.90 | 49.76 N | 12.99 W | 422,360.27 | 3,312,127.88 | 8.40 | 28.48 | |
| 8,577.00 | 25.05 | 292.75 | 8,319.20 | 8,565.20 | 54.73 N | 24.84 W | 422,365.24 | 3,312,116.03 | 8.53 | 41.31 | |
| 8,608.00 | 27.34 | 292.42 | 8,347.01 | 8,593.01 | 59.98 N | 37.48 W | 422,370.49 | 3,312,103.39 | 7.40 | 54.96 | |
| 8,640.00 | 29.44 | 292.22 | 8,375.16 | 8,621.16 | 65.76 N | 51.55 W | 422,376.27 | 3,312,089.32 | 6.57 | 70.15 | |
| 8,672.00 | 31.11 | 291.70 | 8,402.80 | 8,648.80 | 71.79 N | 66.51 W | 422,382.30 | 3,312,074.36 | 5.28 | 86.26 | |
| 8,704.00 | 33.78 | 290.83 | 8,429.80 | 8,675.80 | 78.01 N | 82.51 W | 422,388.52 | 3,312,058.36 | 8.47 | 103.41 | |
| 8,735.00 | 36.56 | 289.59 | 8,455.14 | 8,701.14 | 84.17 N | 99.27 W | 422,394.68 | 3,312,041.60 | 9.26 | 121.26 | |
| 8,767.00 | 38.94 | 288.18 | 8,480.44 | 8,726.44 | 90.51 N | 117.80 W | 422,401.02 | 3,312,023.07 | 7.91 | 140.85 | |
| 8,799.00 | 41.34 | 287.20 | 8,504.90 | 8,750.90 | 96.77 N | 137.46 W | 422,407.28 | 3,312,003.41 | 7.76 | 161.47 | |
| 8,830.00 | 43.86 | 286.25 | 8,527.72 | 8,773.72 | 102.80 N | 157.55 W | 422,413.31 | 3,311,983.32 | 8.39 | 182.44 | |
| 8,862.00 | 45.70 | 286.07 | 8,550.43 | 8,796.43 | 109.08 N | 179.20 W | 422,419.59 | 3,311,961.67 | 5.76 | 204.95 | |
| 8,894.00 | 47.77 | 286.45 | 8,572.36 | 8,818.36 | 115.60 N | 201.57 W | 422,426.11 | 3,311,939.30 | 6.53 | 228.22 | |
| 8,926.00 | 50.27 | 286.95 | 8,593.35 | 8,839.35 | 122.54 N | 224.71 W | 422,433.05 | 3,311,916.16 | 7.90 | 252.36 | |
| 8,958.00 | 52.82 | 287.48 | 8,613.25 | 8,859.25 | 129.96 N | 248.64 W | 422,440.47 | 3,311,892.23 | 8.07 | 277.41 | |
| 8,990.00 | 55.29 | 287.96 | 8,632.03 | 8,878.03 | 137.85 N | 273.31 W | 422,448.36 | 3,311,867.56 | 7.81 | 303.30 | |
| 9,022.00 | 56.86 | 288.53 | 8,649.89 | 8,895.89 | 146.16 N | 298.53 W | 422,456.67 | 3,311,842.34 | 5.12 | 329.85 | |
| 9,053.00 | 58.89 | 288.53 | 8,666.37 | 8,912.37 | 154.51 N | 323.42 W | 422,465.02 | 3,311,817.45 | 6.55 | 356.10 | |
| 9,085.00 | 62.05 | 289.59 | 8,682.14 | 8,928.14 | 163.60 N | 349.73 W | 422,474.11 | 3,311,791.14 | 10.29 | 383.94 | |
| 9,117.00 | 65.48 | 289.41 | 8,696.29 | 8,942.29 | 173.18 N | 376.79 W | 422,483.69 | 3,311,764.08 | 10.73 | 412.64 | |
| 9,149.00 | 69.61 | 289.59 | 8,708.51 | 8,954.51 | 183.05 N | 404.66 W | 422,493.56 | 3,311,736.21 | 12.92 | 442.21 | |
| 9,229.00 | 80.71 | 290.79 | 8,728.97 | 8,974.97 | 209.72 N | 477.12 W | 422,520.23 | 3,311,663.75 | 13.95 | 519.40 | |
| 9,261.00 | 83.00 | 291.49 | 8,733.50 | 8,979.50 | 221.14 N | 506.66 W | 422,531.65 | 3,311,634.21 | 7.48 | 551.05 | |
| 9,356.00 | 91.11 | 288.86 | 8,738.38 | 8,984.38 | 253.82 N | 595.63 W | 422,564.33 | 3,311,545.24 | 8.97 | 645.82 | |

HALLIBURTON**Design Report for Scamardo Grimes, LP No 1H - Surveys**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | TVD below System (usft) | Vertical Depth (usft) | Local Coordinates Northing (usft) Easting (usft) | | Map Coordinates Northing (usft) Easting (usft) | | Dogleg Rate (°/100usft) | Vertical Section (usft) | Comments |
|-----------------------------|--------------------|----------------|-------------------------------|-----------------------------|---|------------|---|--------------|-------------------------------|-------------------------------|----------|
| 9,452.00 | 92.47 | 289.13 | 8,735.38 | 8,981.38 | 285.06 N | 686.36 W | 422,595.57 | 3,311,454.51 | 1.44 | 741.77 | |
| 9,547.00 | 91.24 | 289.36 | 8,732.30 | 8,978.30 | 316.35 N | 776.00 W | 422,626.86 | 3,311,364.87 | 1.32 | 836.72 | |
| 9,641.00 | 89.32 | 288.45 | 8,731.84 | 8,977.84 | 346.80 N | 864.92 W | 422,657.31 | 3,311,275.95 | 2.26 | 930.71 | |
| 9,737.00 | 89.94 | 287.49 | 8,732.46 | 8,978.46 | 376.42 N | 956.24 W | 422,686.93 | 3,311,184.63 | 1.19 | 1,026.69 | |
| 9,832.00 | 90.00 | 285.44 | 8,732.51 | 8,978.51 | 403.35 N | 1,047.34 W | 422,713.86 | 3,311,093.53 | 2.16 | 1,121.59 | |
| 9,927.00 | 91.79 | 285.12 | 8,731.03 | 8,977.03 | 428.38 N | 1,138.96 W | 422,738.89 | 3,311,001.91 | 1.91 | 1,216.38 | |
| 10,023.00 | 90.93 | 285.40 | 8,728.75 | 8,974.75 | 453.64 N | 1,231.55 W | 422,764.15 | 3,310,909.32 | 0.94 | 1,312.15 | |
| 10,118.00 | 90.56 | 286.35 | 8,727.52 | 8,973.52 | 479.62 N | 1,322.92 W | 422,790.13 | 3,310,817.95 | 1.07 | 1,407.00 | |
| 10,214.00 | 91.73 | 286.07 | 8,725.60 | 8,971.60 | 506.41 N | 1,415.08 W | 422,816.92 | 3,310,725.79 | 1.25 | 1,502.86 | |
| 10,309.00 | 91.05 | 285.80 | 8,723.29 | 8,969.29 | 532.49 N | 1,506.41 W | 422,843.00 | 3,310,634.46 | 0.77 | 1,597.70 | |
| 10,405.00 | 91.24 | 286.03 | 8,721.37 | 8,967.37 | 558.81 N | 1,598.71 W | 422,869.32 | 3,310,542.16 | 0.31 | 1,693.54 | |
| 10,500.00 | 92.22 | 283.70 | 8,718.51 | 8,964.51 | 583.17 N | 1,690.48 W | 422,893.68 | 3,310,450.39 | 2.66 | 1,788.24 | |
| 10,596.00 | 91.85 | 282.25 | 8,715.10 | 8,961.10 | 604.71 N | 1,783.97 W | 422,915.22 | 3,310,356.90 | 1.56 | 1,883.65 | |
| 10,691.00 | 91.61 | 283.22 | 8,712.23 | 8,958.23 | 625.64 N | 1,876.59 W | 422,936.15 | 3,310,264.28 | 1.05 | 1,978.03 | |
| 10,786.00 | 91.60 | 285.89 | 8,709.57 | 8,955.57 | 649.50 N | 1,968.49 W | 422,960.01 | 3,310,172.38 | 2.81 | 2,072.70 | |
| 10,870.00 | 92.25 | 285.46 | 8,706.75 | 8,952.75 | 672.18 N | 2,049.32 W | 422,982.69 | 3,310,091.55 | 0.93 | 2,156.51 | |
| 10,905.00 | 91.82 | 286.30 | 8,705.50 | 8,951.50 | 681.76 N | 2,082.96 W | 422,992.27 | 3,310,057.91 | 2.69 | 2,191.44 | |
| 10,937.00 | 91.66 | 286.46 | 8,704.53 | 8,950.53 | 690.78 N | 2,113.65 W | 423,001.29 | 3,310,027.22 | 0.71 | 2,223.39 | |
| 10,969.00 | 90.92 | 284.87 | 8,703.81 | 8,949.81 | 699.41 N | 2,144.45 W | 423,009.92 | 3,309,996.42 | 5.48 | 2,255.33 | |
| 11,001.00 | 90.65 | 285.12 | 8,703.37 | 8,949.37 | 707.69 N | 2,175.36 W | 423,018.20 | 3,309,965.51 | 1.15 | 2,287.25 | |
| 11,033.00 | 91.88 | 286.30 | 8,702.67 | 8,948.67 | 716.35 N | 2,206.16 W | 423,026.86 | 3,309,934.71 | 5.33 | 2,319.18 | |
| 11,065.00 | 91.94 | 286.65 | 8,701.60 | 8,947.60 | 725.42 N | 2,236.83 W | 423,035.93 | 3,309,904.04 | 1.11 | 2,351.14 | |
| 11,096.00 | 90.95 | 286.01 | 8,700.82 | 8,946.82 | 734.14 N | 2,266.57 W | 423,044.65 | 3,309,874.30 | 3.80 | 2,382.09 | |
| 11,128.00 | 90.89 | 287.16 | 8,700.30 | 8,946.30 | 743.27 N | 2,297.23 W | 423,053.78 | 3,309,843.64 | 3.60 | 2,414.06 | |
| 11,159.00 | 91.60 | 288.07 | 8,699.63 | 8,945.63 | 752.65 N | 2,326.77 W | 423,063.16 | 3,309,814.10 | 3.72 | 2,445.04 | |
| 11,191.00 | 92.09 | 289.75 | 8,698.60 | 8,944.60 | 763.01 N | 2,357.03 W | 423,073.52 | 3,309,783.84 | 5.47 | 2,477.02 | |
| 11,223.00 | 91.66 | 289.25 | 8,697.55 | 8,943.55 | 773.69 N | 2,387.17 W | 423,084.20 | 3,309,753.70 | 2.06 | 2,509.01 | |
| 11,255.00 | 90.52 | 289.28 | 8,696.94 | 8,942.94 | 784.25 N | 2,417.38 W | 423,094.76 | 3,309,723.49 | 3.56 | 2,541.00 | |
| 11,286.00 | 90.31 | 289.18 | 8,696.72 | 8,942.72 | 794.46 N | 2,446.65 W | 423,104.97 | 3,309,694.22 | 0.75 | 2,572.00 | |
| 11,318.00 | 91.54 | 289.14 | 8,696.20 | 8,942.20 | 804.96 N | 2,476.87 W | 423,115.47 | 3,309,664.00 | 3.85 | 2,603.99 | |
| 11,349.00 | 90.43 | 288.32 | 8,695.67 | 8,941.67 | 814.91 N | 2,506.22 W | 423,125.42 | 3,309,634.65 | 4.45 | 2,634.99 | |
| 11,381.00 | 91.26 | 287.09 | 8,695.20 | 8,941.20 | 824.64 N | 2,536.70 W | 423,135.15 | 3,309,604.17 | 4.64 | 2,666.97 | |
| 11,412.00 | 91.45 | 287.02 | 8,694.47 | 8,940.47 | 833.73 N | 2,566.33 W | 423,144.24 | 3,309,574.54 | 0.65 | 2,697.95 | |
| 11,477.00 | 90.43 | 284.95 | 8,693.40 | 8,939.40 | 851.62 N | 2,628.80 W | 423,162.13 | 3,309,512.07 | 3.55 | 2,762.85 | |
| 11,508.00 | 90.95 | 284.60 | 8,693.03 | 8,939.03 | 859.53 N | 2,658.78 W | 423,170.04 | 3,309,482.09 | 2.02 | 2,793.76 | |
| 11,540.00 | 90.86 | 285.20 | 8,692.52 | 8,938.52 | 867.76 N | 2,689.70 W | 423,178.27 | 3,309,451.17 | 1.90 | 2,825.67 | |
| 11,572.00 | 91.33 | 285.88 | 8,691.91 | 8,937.91 | 876.33 N | 2,720.52 W | 423,186.84 | 3,309,420.35 | 2.58 | 2,857.61 | |
| 11,604.00 | 92.74 | 287.04 | 8,690.77 | 8,936.77 | 885.39 N | 2,751.19 W | 423,195.90 | 3,309,389.68 | 5.70 | 2,889.56 | |
| 11,636.00 | 93.23 | 287.26 | 8,689.11 | 8,935.11 | 894.81 N | 2,781.72 W | 423,205.32 | 3,309,359.15 | 1.68 | 2,921.49 | |

HALLIBURTON

Design Report for Scamardo Grimes, LP No 1H - Surveys

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | TVD below System (usft) | Vertical Depth (usft) | Local Coordinates (usft) | | Map Coordinates (usft) | | Dogleg Rate (°/100usft) | Vertical Section (usft) | Comments |
|-----------------------|-----------------|-------------|-------------------------|-----------------------|--------------------------|------------|------------------------|--------------|-------------------------|-------------------------|--------------------------------|
| | | | | | Northing | Easting | Northing | Easting | | | |
| 11,667.00 | 92.93 | 287.82 | 8,687.44 | 8,933.44 | 904.14 N | 2,811.24 W | 423,214.65 | 3,309,329.63 | 2.05 | 2,952.44 | |
| 11,699.00 | 92.71 | 286.91 | 8,685.87 | 8,931.87 | 913.68 N | 2,841.74 W | 423,224.19 | 3,309,299.13 | 2.92 | 2,984.39 | |
| 11,731.00 | 91.88 | 289.32 | 8,684.58 | 8,930.58 | 923.62 N | 2,872.13 W | 423,234.13 | 3,309,268.74 | 7.96 | 3,016.36 | |
| 11,763.00 | 92.00 | 290.25 | 8,683.50 | 8,929.50 | 934.45 N | 2,902.23 W | 423,244.96 | 3,309,238.64 | 2.93 | 3,048.33 | |
| 11,795.00 | 91.79 | 290.07 | 8,682.44 | 8,928.44 | 945.47 N | 2,932.25 W | 423,255.98 | 3,309,208.62 | 0.86 | 3,080.31 | |
| 11,826.00 | 91.97 | 291.37 | 8,681.43 | 8,927.43 | 956.43 N | 2,961.23 W | 423,266.94 | 3,309,179.64 | 4.23 | 3,111.28 | |
| 11,858.00 | 91.20 | 290.47 | 8,680.54 | 8,926.54 | 967.85 N | 2,991.11 W | 423,278.36 | 3,309,149.76 | 3.70 | 3,143.25 | |
| 11,890.00 | 91.79 | 290.91 | 8,679.71 | 8,925.71 | 979.15 N | 3,021.03 W | 423,289.66 | 3,309,119.84 | 2.30 | 3,175.22 | |
| 11,921.00 | 91.20 | 290.97 | 8,678.90 | 8,924.90 | 990.23 N | 3,049.97 W | 423,300.74 | 3,309,090.90 | 1.91 | 3,206.19 | |
| 11,953.00 | 91.14 | 290.53 | 8,678.24 | 8,924.24 | 1,001.56 N | 3,079.89 W | 423,312.07 | 3,309,060.98 | 1.39 | 3,238.17 | Last MWD Survey @ 11953.00' MD |
| 12,056.00 | 91.14 | 290.53 | 8,676.19 | 8,922.19 | 1,037.68 N | 3,176.33 W | 423,348.19 | 3,308,964.54 | 0.00 | 3,341.12 | Projected to TD @ 12056.00' MD |

Design Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates (usft) | | Comment |
|-----------------------|-----------------------|--------------------------|-----------|--------------------------------|
| | | +N/-S | +E/-W | |
| 8,273.00 | 8,270.30 | 32.92 | 32.64 | Last Gyro Survey @ 8273.00' MD |
| 11,953.00 | 8,924.24 | 1,001.56 | -3,079.89 | Last MWD Survey @ 11953.00' MD |
| 12,056.00 | 8,922.19 | 1,037.68 | -3,176.33 | Projected to TD @ 12056.00' MD |

Vertical Section Information

| Angle Type | Target | Azimuth (°) | Origin Type | Origin +N/_S (usft) | Origin +E/-W (usft) | Start TVD (usft) |
|------------|----------------------|-------------|-------------|---------------------|---------------------|------------------|
| User | No Target (Freehand) | 289.00 | Slot | 0.00 | 0.00 | 0.00 |

Survey tool program

| From (usft) | To (usft) | Survey/Plan | Survey Tool |
|-------------|-----------|-----------------|-------------|
| 112.00 | 8,273.00 | Scientific Gyro | NS-Gyro-MS |
| 8,322.00 | 12,056.00 | Sperry MWD | MWD+SC |

HALLIBURTON**Design Report for Scamardo Grimes, LP No 1H - Surveys**Targets

| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|--|---------------------|--------------------|---------------|-----------------|-----------------|--------------------|-------------------|----------------------------------|-----------|
| Scamardo Grimes, L - actual wellpath misses target center by 3501.88usft at 12056.00usft MD (8922.19 TVD, 1037.68 N, -3176.33 E) - Point | 0.00 | 0.00 | 8,911.40 | 2,227.49 | -6,469.87 | 424,538.00 | 3,305,671.00 | 30° 46' 0.786 N 6° 10' 30.143 W | |
| Scamardo Grimes, L - actual wellpath misses target center by 43.74usft at 9278.26usft MD (8981.38 TVD, 227.36 N, -522.65 E) - Point | 0.00 | 0.00 | 8,978.00 | 186.49 | -537.87 | 422,497.00 | 3,311,603.00 | 30° 45' 38.397 N 96° 9' 23.073 W | |
| Scamardo Grimes, L - actual wellpath misses target center by 3404.85usft at 12056.00usft MD (8922.19 TVD, 1037.68 N, -3176.33 E) - Point | 0.00 | 0.00 | 8,870.81 | 2,195.49 | -6,377.87 | 424,506.00 | 3,305,763.00 | 30° 46' 0.435 N 6° 10' 29.102 W | |
| Scamardo Grimes, L - actual wellpath misses target center by 41.48usft at 9138.64usft MD (8950.78 TVD, 179.81 N, -395.55 E) - Point | 0.00 | 0.00 | 8,959.00 | 140.49 | -405.87 | 422,451.00 | 3,311,735.00 | 30° 45' 37.893 N 96° 9' 21.581 W | |

North Reference Sheet for Scamardo Grimes, LP - Scamardo Grimes, LP No 1H - Wellbore #1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GL 223' + KB 23' @ 246.00usft (Nabors M 12). Northing and Easting are relative to Scamardo Grimes, LP No 1H

Coordinate System is US State Plane 1927 (Exact solution), Texas Central 4203 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is 100° 20' 0.000 W°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:31° 53' 0.000 N°

False Easting: 2,000,000.00usft, False Northing: 0.00usft, Scale Reduction: 0.99989057

Grid Coordinates of Well: 422,310.51 usft N, 3,312,140.87 usft E

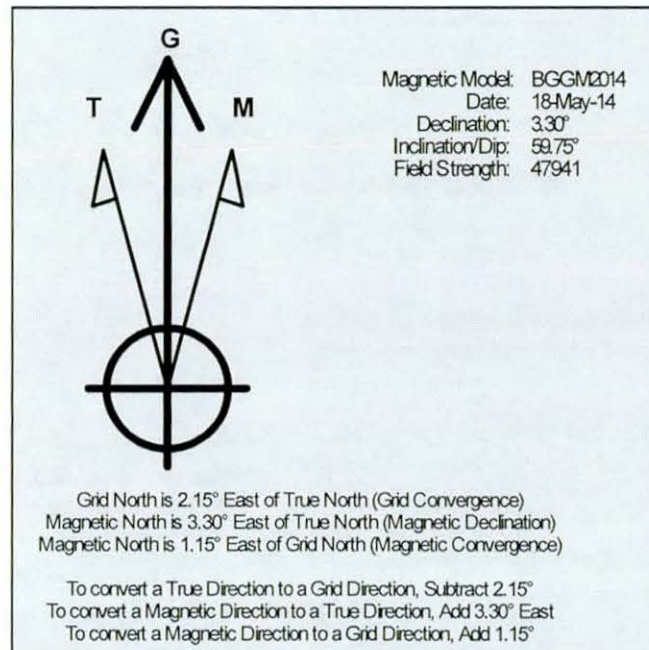
Geographical Coordinates of Well: 30° 45' 36.35" N, 096° 09' 16.99" W

Grid Convergence at Surface is: 2.15°

Based upon Minimum Curvature type calculations, at a Measured Depth of 12,056.00usft

the Bottom Hole Displacement is 3,341.54usft in the Direction of 288.09° (Grid).

Magnetic Convergence at surface is: -1.15° (18 May 2014, , BGGM2014)



Marlin Energy Resources

Grimes County, Texas

Scamardo Grimes, LP

Scamardo Grimes, LP No 1H

ST01

Design: Surveys

Sperry Drilling Services Combo Report

09 September, 2014

Well Coordinates: 422,310.51 N, 3,312,140.87 E (30° 45' 36.35" N, 096° 09' 16.99" W)

Ground Level: 223.00 usft

Local Coordinate Origin: Centered on Well Scamardo Grimes, LP No 1H

Viewing Datum: GL 223' + KB 23' @ 246.00usft (Nabors M 12)

TVDs to System: N

North Reference: Grid

Unit System: API - US Survey Feet

Version: 5000.1 Build: 72

HALLIBURTON

HALLIBURTON**Design Report for Scamardo Grimes, LP No 1H - Surveys**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | TVD below System (usft) | Vertical Depth (usft) | Local Coordinates (usft) | | Map Coordinates (usft) | | Dogleg Rate (°/100usft) | Vertical Section (usft) | Comments |
|-----------------------|-----------------|-------------|-------------------------|-----------------------|--------------------------|---------|------------------------|--------------|-------------------------|-------------------------|----------|
| | | | | | Northing | Easting | Northing | Easting | | | |
| 0.00 | 0.00 | 0.00 | -246.00 | 0.00 | 0.00 N | 0.00 E | 422,310.51 | 3,312,140.87 | 0.00 | 0.00 | |
| 112.00 | 0.90 | 307.87 | -134.00 | 112.00 | 0.54 N | 0.69 W | 422,311.05 | 3,312,140.18 | 0.80 | 0.83 | |
| 202.00 | 0.71 | 297.20 | -44.01 | 201.99 | 1.23 N | 1.75 W | 422,311.74 | 3,312,139.12 | 0.27 | 2.06 | |
| 292.00 | 0.72 | 330.69 | 45.98 | 291.98 | 1.98 N | 2.52 W | 422,312.49 | 3,312,138.35 | 0.46 | 3.03 | |
| 382.00 | 0.65 | 333.08 | 135.97 | 381.97 | 2.93 N | 3.03 W | 422,313.44 | 3,312,137.84 | 0.08 | 3.82 | |
| 475.00 | 0.51 | 332.20 | 228.97 | 474.97 | 3.76 N | 3.46 W | 422,314.27 | 3,312,137.41 | 0.15 | 4.51 | |
| 568.00 | 0.48 | 341.66 | 321.97 | 567.97 | 4.50 N | 3.78 W | 422,315.01 | 3,312,137.09 | 0.09 | 5.05 | |
| 661.00 | 0.28 | 283.61 | 414.96 | 660.96 | 4.92 N | 4.12 W | 422,315.43 | 3,312,136.75 | 0.44 | 5.51 | |
| 754.00 | 0.23 | 274.53 | 507.96 | 753.96 | 4.99 N | 4.53 W | 422,315.50 | 3,312,136.34 | 0.07 | 5.92 | |
| 847.00 | 0.24 | 272.06 | 600.96 | 846.96 | 5.01 N | 4.91 W | 422,315.52 | 3,312,135.96 | 0.02 | 6.29 | |
| 940.00 | 0.20 | 282.83 | 693.96 | 939.96 | 5.05 N | 5.26 W | 422,315.56 | 3,312,135.61 | 0.06 | 6.63 | |
| 1,035.00 | 0.09 | 346.19 | 788.96 | 1,034.96 | 5.16 N | 5.44 W | 422,315.67 | 3,312,135.43 | 0.19 | 6.84 | |
| 1,130.00 | 0.89 | 345.33 | 883.96 | 1,129.96 | 5.95 N | 5.64 W | 422,316.46 | 3,312,135.23 | 0.84 | 7.29 | |
| 1,225.00 | 1.38 | 339.83 | 978.94 | 1,224.94 | 7.74 N | 6.23 W | 422,318.25 | 3,312,134.64 | 0.53 | 8.43 | |
| 1,320.00 | 1.31 | 342.75 | 1,073.91 | 1,319.91 | 9.85 N | 6.94 W | 422,320.36 | 3,312,133.93 | 0.10 | 9.80 | |
| 1,415.00 | 1.08 | 350.07 | 1,168.89 | 1,414.89 | 11.77 N | 7.42 W | 422,322.28 | 3,312,133.45 | 0.29 | 10.89 | |
| 1,510.00 | 0.70 | 325.33 | 1,263.88 | 1,509.88 | 13.13 N | 7.90 W | 422,323.64 | 3,312,132.97 | 0.56 | 11.79 | |
| 1,605.00 | 0.70 | 336.93 | 1,358.87 | 1,604.87 | 14.14 N | 8.46 W | 422,324.65 | 3,312,132.41 | 0.15 | 12.65 | |
| 1,700.00 | 0.76 | 330.85 | 1,453.86 | 1,699.86 | 15.22 N | 9.00 W | 422,325.73 | 3,312,131.87 | 0.10 | 13.52 | |
| 1,795.00 | 0.70 | 333.21 | 1,548.86 | 1,794.86 | 16.29 N | 9.56 W | 422,326.80 | 3,312,131.31 | 0.07 | 14.41 | |
| 1,890.00 | 0.76 | 320.86 | 1,643.85 | 1,889.85 | 17.30 N | 10.22 W | 422,327.81 | 3,312,130.65 | 0.18 | 15.36 | |
| 1,985.00 | 0.77 | 315.05 | 1,738.84 | 1,984.84 | 18.24 N | 11.07 W | 422,328.75 | 3,312,129.80 | 0.08 | 16.47 | |
| 2,080.00 | 0.73 | 325.17 | 1,833.83 | 2,079.83 | 19.18 N | 11.87 W | 422,329.69 | 3,312,129.00 | 0.15 | 17.54 | |
| 2,175.00 | 0.77 | 327.73 | 1,928.82 | 2,174.82 | 20.22 N | 12.55 W | 422,330.73 | 3,312,128.32 | 0.05 | 18.53 | |
| 2,270.00 | 0.85 | 325.61 | 2,023.82 | 2,269.82 | 21.34 N | 13.29 W | 422,331.85 | 3,312,127.58 | 0.09 | 19.60 | |
| 2,365.00 | 0.88 | 339.47 | 2,118.80 | 2,364.80 | 22.61 N | 13.95 W | 422,333.12 | 3,312,126.92 | 0.22 | 20.63 | |
| 2,460.00 | 0.85 | 333.32 | 2,213.79 | 2,459.79 | 23.92 N | 14.52 W | 422,334.43 | 3,312,126.35 | 0.10 | 21.60 | |
| 2,555.00 | 0.82 | 326.78 | 2,308.78 | 2,554.78 | 25.12 N | 15.21 W | 422,335.63 | 3,312,125.66 | 0.11 | 22.65 | |
| 2,650.00 | 0.78 | 330.38 | 2,403.77 | 2,649.77 | 26.25 N | 15.90 W | 422,336.76 | 3,312,124.97 | 0.07 | 23.68 | |
| 2,745.00 | 0.71 | 333.41 | 2,498.77 | 2,744.77 | 27.34 N | 16.48 W | 422,337.85 | 3,312,124.39 | 0.08 | 24.59 | |
| 2,840.00 | 0.42 | 347.37 | 2,593.76 | 2,839.76 | 28.20 N | 16.82 W | 422,338.71 | 3,312,124.05 | 0.34 | 25.19 | |
| 2,935.00 | 0.34 | 343.85 | 2,688.76 | 2,934.76 | 28.81 N | 16.98 W | 422,339.32 | 3,312,123.89 | 0.09 | 25.54 | |
| 3,030.00 | 0.42 | 353.95 | 2,783.76 | 3,029.76 | 29.43 N | 17.09 W | 422,339.94 | 3,312,123.78 | 0.11 | 25.85 | |
| 3,125.00 | 0.34 | 30.63 | 2,878.76 | 3,124.76 | 30.02 N | 16.99 W | 422,340.53 | 3,312,123.88 | 0.26 | 25.95 | |
| 3,220.00 | 0.23 | 346.24 | 2,973.75 | 3,219.75 | 30.45 N | 16.89 W | 422,340.96 | 3,312,123.98 | 0.25 | 25.99 | |
| 3,315.00 | 0.08 | 84.83 | 3,068.75 | 3,314.75 | 30.64 N | 16.87 W | 422,341.15 | 3,312,124.00 | 0.27 | 26.04 | |
| 3,410.00 | 0.21 | 79.31 | 3,163.75 | 3,409.75 | 30.68 N | 16.63 W | 422,341.19 | 3,312,124.24 | 0.14 | 25.83 | |
| 3,505.00 | 0.44 | 118.15 | 3,258.75 | 3,504.75 | 30.54 N | 16.14 W | 422,341.05 | 3,312,124.73 | 0.32 | 25.32 | |
| 3,600.00 | 0.55 | 76.81 | 3,353.75 | 3,599.75 | 30.47 N | 15.37 W | 422,340.98 | 3,312,125.50 | 0.38 | 24.57 | |
| 3,695.00 | 0.29 | 118.33 | 3,448.75 | 3,694.75 | 30.46 N | 14.72 W | 422,340.97 | 3,312,126.15 | 0.40 | 23.95 | |

HALLIBURTON**Design Report for Scamardo Grimes, LP No 1H - Surveys**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | TVD below System (usft) | Vertical Depth (usft) | Local Coordinates | | Map Coordinates | | Dogleg Rate (°/100usft) | Vertical Section (usft) | Comments |
|-----------------------------|--------------------|----------------|-------------------------------|-----------------------------|--------------------|-------------------|--------------------|-------------------|-------------------------------|-------------------------------|----------|
| | | | | | Northing (usft) | Easting (usft) | Northing (usft) | Easting (usft) | | | |
| 3,790.00 | 0.23 | 33.17 | 3,543.75 | 3,789.75 | 30.50 N | 14.40 W | 422,341.01 | 3,312,126.47 | 0.37 | 23.67 | |
| 3,885.00 | 0.26 | 166.26 | 3,638.75 | 3,884.75 | 30.46 N | 14.24 W | 422,340.97 | 3,312,126.63 | 0.47 | 23.50 | |
| 3,980.00 | 0.66 | 183.97 | 3,733.74 | 3,979.74 | 29.70 N | 14.23 W | 422,340.21 | 3,312,126.64 | 0.44 | 23.24 | |
| 4,075.00 | 0.65 | 193.98 | 3,828.74 | 4,074.74 | 28.63 N | 14.40 W | 422,339.14 | 3,312,126.47 | 0.12 | 23.05 | |
| 4,170.00 | 0.71 | 216.72 | 3,923.73 | 4,169.73 | 27.64 N | 14.88 W | 422,338.15 | 3,312,125.99 | 0.29 | 23.17 | |
| 4,265.00 | 0.68 | 232.19 | 4,018.72 | 4,264.72 | 26.82 N | 15.68 W | 422,337.33 | 3,312,125.19 | 0.20 | 23.65 | |
| 4,360.00 | 0.60 | 269.94 | 4,113.72 | 4,359.72 | 26.47 N | 16.62 W | 422,336.98 | 3,312,124.25 | 0.44 | 24.43 | |
| 4,455.00 | 0.50 | 271.48 | 4,208.71 | 4,454.71 | 26.48 N | 17.53 W | 422,336.99 | 3,312,123.34 | 0.11 | 25.29 | |
| 4,550.00 | 0.63 | 255.91 | 4,303.71 | 4,549.71 | 26.37 N | 18.45 W | 422,336.88 | 3,312,122.42 | 0.21 | 26.13 | |
| 4,645.00 | 0.68 | 295.78 | 4,398.70 | 4,644.70 | 26.48 N | 19.47 W | 422,336.99 | 3,312,121.40 | 0.47 | 27.12 | |
| 4,740.00 | 1.19 | 331.71 | 4,493.69 | 4,739.69 | 27.60 N | 20.44 W | 422,338.11 | 3,312,120.43 | 0.79 | 28.41 | |
| 4,835.00 | 0.98 | 318.86 | 4,588.67 | 4,834.67 | 29.08 N | 21.45 W | 422,339.59 | 3,312,119.42 | 0.34 | 29.84 | |
| 4,930.00 | 1.26 | 337.64 | 4,683.66 | 4,929.66 | 30.66 N | 22.38 W | 422,341.17 | 3,312,118.49 | 0.48 | 31.25 | |
| 5,025.00 | 1.88 | 315.90 | 4,778.62 | 5,024.62 | 32.74 N | 23.86 W | 422,343.25 | 3,312,117.01 | 0.89 | 33.33 | |
| 5,120.00 | 2.93 | 305.60 | 4,873.54 | 5,119.54 | 35.27 N | 26.92 W | 422,345.78 | 3,312,113.95 | 1.19 | 37.06 | |
| 5,215.00 | 2.03 | 312.41 | 4,968.45 | 5,214.45 | 37.82 N | 30.13 W | 422,348.33 | 3,312,110.74 | 1.00 | 40.93 | |
| 5,310.00 | 1.52 | 330.15 | 5,063.40 | 5,309.40 | 40.05 N | 32.00 W | 422,350.56 | 3,312,108.87 | 0.78 | 43.43 | |
| 5,405.00 | 1.03 | 346.21 | 5,158.38 | 5,404.38 | 41.97 N | 32.83 W | 422,352.48 | 3,312,108.04 | 0.63 | 44.85 | |
| 5,500.00 | 1.02 | 354.68 | 5,253.36 | 5,499.36 | 43.64 N | 33.12 W | 422,354.15 | 3,312,107.75 | 0.16 | 45.67 | |
| 5,595.00 | 0.72 | 347.07 | 5,348.35 | 5,594.35 | 45.07 N | 33.33 W | 422,355.58 | 3,312,107.54 | 0.34 | 46.34 | |
| 5,690.00 | 0.85 | 8.42 | 5,443.34 | 5,689.34 | 46.35 N | 33.36 W | 422,356.86 | 3,312,107.51 | 0.33 | 46.79 | |
| 5,785.00 | 1.18 | 17.99 | 5,538.33 | 5,784.33 | 47.97 N | 32.95 W | 422,358.48 | 3,312,107.92 | 0.39 | 46.95 | |
| 5,880.00 | 0.81 | 21.68 | 5,633.31 | 5,879.31 | 49.53 N | 32.40 W | 422,360.04 | 3,312,108.47 | 0.40 | 46.94 | |
| 5,975.00 | 1.73 | 117.09 | 5,728.30 | 5,974.30 | 49.50 N | 30.88 W | 422,360.01 | 3,312,109.99 | 2.08 | 45.49 | |
| 6,070.00 | 3.68 | 131.19 | 5,823.19 | 6,069.19 | 46.84 N | 27.31 W | 422,357.35 | 3,312,113.56 | 2.15 | 41.24 | |
| 6,165.00 | 4.13 | 136.03 | 5,917.97 | 6,163.97 | 42.37 N | 22.64 W | 422,352.88 | 3,312,118.23 | 0.59 | 35.36 | |
| 6,260.00 | 2.96 | 131.08 | 6,012.78 | 6,258.78 | 38.29 N | 18.41 W | 422,348.80 | 3,312,122.46 | 1.27 | 30.03 | |
| 6,355.00 | 2.60 | 127.04 | 6,107.67 | 6,353.67 | 35.38 N | 14.84 W | 422,345.89 | 3,312,126.03 | 0.43 | 25.70 | |
| 6,450.00 | 0.76 | 130.18 | 6,202.63 | 6,448.63 | 33.68 N | 12.64 W | 422,344.19 | 3,312,128.23 | 1.94 | 23.06 | |
| 6,545.00 | 0.28 | 317.63 | 6,297.62 | 6,543.62 | 33.44 N | 12.32 W | 422,343.95 | 3,312,128.55 | 1.09 | 22.67 | |
| 6,640.00 | 0.82 | 339.19 | 6,392.62 | 6,638.62 | 34.25 N | 12.72 W | 422,344.76 | 3,312,128.15 | 0.60 | 23.31 | |
| 6,735.00 | 0.80 | 6.48 | 6,487.61 | 6,733.61 | 35.55 N | 12.88 W | 422,346.06 | 3,312,127.99 | 0.40 | 23.90 | |
| 6,830.00 | 0.83 | 18.28 | 6,582.60 | 6,828.60 | 36.86 N | 12.59 W | 422,347.37 | 3,312,128.28 | 0.18 | 24.06 | |
| 6,925.00 | 0.89 | 7.99 | 6,677.59 | 6,923.59 | 38.24 N | 12.27 W | 422,348.75 | 3,312,128.60 | 0.17 | 24.21 | |
| 7,020.00 | 1.72 | 61.24 | 6,772.57 | 7,018.57 | 39.66 N | 10.92 W | 422,350.17 | 3,312,129.95 | 1.46 | 23.40 | |
| 7,115.00 | 2.27 | 87.23 | 6,867.51 | 7,113.51 | 40.44 N | 7.79 W | 422,350.95 | 3,312,133.08 | 1.10 | 20.71 | |
| 7,210.00 | 2.55 | 91.44 | 6,962.43 | 7,208.43 | 40.47 N | 3.80 W | 422,350.98 | 3,312,137.07 | 0.35 | 16.95 | |
| 7,305.00 | 3.29 | 92.40 | 7,057.30 | 7,303.30 | 40.31 N | 1.04 E | 422,350.82 | 3,312,141.91 | 0.78 | 12.33 | |
| 7,400.00 | 4.04 | 102.30 | 7,152.11 | 7,398.11 | 39.48 N | 7.03 E | 422,349.99 | 3,312,147.90 | 1.03 | 6.40 | |

HALLIBURTON**Design Report for Scamardo Grimes, LP No 1H - Surveys**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | TVD below System (usft) | Vertical Depth (usft) | Local Coordinates (usft) | | Map Coordinates (usft) | | Dogleg Rate (°/100usft) | Vertical Section (usft) | Comments |
|-----------------------|-----------------|-------------|-------------------------|-----------------------|--------------------------|----------|------------------------|--------------|-------------------------|-------------------------|----------|
| | | | | | Northing | Easting | Northing | Easting | | | |
| 7,495.00 | 4.23 | 106.84 | 7,246.86 | 7,492.86 | 37.75 N | 13.65 E | 422,348.26 | 3,312,154.52 | 0.40 | -0.42 | |
| 7,590.00 | 4.29 | 108.28 | 7,341.60 | 7,587.60 | 35.62 N | 20.38 E | 422,346.13 | 3,312,161.25 | 0.13 | -7.47 | |
| 7,685.00 | 3.00 | 104.63 | 7,436.41 | 7,682.41 | 33.88 N | 26.16 E | 422,344.39 | 3,312,167.03 | 1.38 | -13.51 | |
| 7,780.00 | 1.48 | 94.50 | 7,531.33 | 7,777.33 | 33.16 N | 29.79 E | 422,343.67 | 3,312,170.66 | 1.65 | -17.17 | |
| 7,875.00 | 0.97 | 61.99 | 7,626.31 | 7,872.31 | 33.44 N | 31.72 E | 422,343.95 | 3,312,172.59 | 0.89 | -18.90 | |
| 7,970.00 | 0.18 | 67.71 | 7,721.30 | 7,967.30 | 33.87 N | 32.57 E | 422,344.38 | 3,312,173.44 | 0.83 | -19.56 | |
| 8,065.00 | 0.14 | 184.96 | 7,816.30 | 8,062.30 | 33.81 N | 32.70 E | 422,344.32 | 3,312,173.57 | 0.29 | -19.70 | |
| 8,160.00 | 0.24 | 177.27 | 7,911.30 | 8,157.30 | 33.50 N | 32.70 E | 422,344.01 | 3,312,173.57 | 0.11 | -19.80 | |
| 8,273.00 | 0.35 | 190.86 | 8,024.30 | 8,270.30 | 32.92 N | 32.64 E | 422,343.43 | 3,312,173.51 | 0.11 | -19.94 | |
| 8,322.00 | 1.68 | 278.29 | 8,073.29 | 8,319.29 | 32.88 N | 31.90 E | 422,343.39 | 3,312,172.77 | 3.47 | -19.26 | |
| 8,354.00 | 5.54 | 288.00 | 8,105.22 | 8,351.22 | 33.42 N | 29.97 E | 422,343.93 | 3,312,170.84 | 12.17 | -17.25 | |
| 8,386.00 | 8.44 | 288.71 | 8,136.98 | 8,382.98 | 34.65 N | 26.28 E | 422,345.16 | 3,312,167.15 | 9.07 | -13.36 | |
| 8,418.00 | 11.05 | 288.76 | 8,168.52 | 8,414.52 | 36.39 N | 21.15 E | 422,346.90 | 3,312,162.02 | 8.16 | -7.94 | |
| 8,450.00 | 14.06 | 290.82 | 8,199.75 | 8,445.75 | 38.76 N | 14.61 E | 422,349.27 | 3,312,155.48 | 9.51 | -0.99 | |
| 8,481.00 | 16.79 | 291.17 | 8,229.63 | 8,475.63 | 41.72 N | 6.91 E | 422,352.23 | 3,312,147.78 | 8.81 | 7.25 | |
| 8,513.00 | 19.65 | 291.92 | 8,260.02 | 8,506.02 | 45.40 N | 2.39 W | 422,355.91 | 3,312,138.48 | 8.97 | 17.25 | |
| 8,545.00 | 22.32 | 292.75 | 8,289.90 | 8,535.90 | 49.76 N | 12.99 W | 422,360.27 | 3,312,127.88 | 8.40 | 28.69 | |
| 8,577.00 | 25.05 | 292.75 | 8,319.20 | 8,565.20 | 54.73 N | 24.84 W | 422,365.24 | 3,312,116.03 | 8.53 | 41.52 | |
| 8,608.00 | 27.34 | 292.42 | 8,347.01 | 8,593.01 | 59.98 N | 37.48 W | 422,370.49 | 3,312,103.39 | 7.40 | 55.18 | |
| 8,640.00 | 29.44 | 292.22 | 8,375.16 | 8,621.16 | 65.76 N | 51.55 W | 422,376.27 | 3,312,089.32 | 6.57 | 70.37 | |
| 8,672.00 | 31.11 | 291.70 | 8,402.80 | 8,648.80 | 71.79 N | 66.51 W | 422,382.30 | 3,312,074.36 | 5.28 | 86.49 | |
| 8,704.00 | 33.78 | 290.83 | 8,429.80 | 8,675.80 | 78.01 N | 82.51 W | 422,388.52 | 3,312,058.36 | 8.47 | 103.64 | |
| 8,735.00 | 36.56 | 289.59 | 8,455.14 | 8,701.14 | 84.17 N | 99.27 W | 422,394.68 | 3,312,041.60 | 9.26 | 121.49 | |
| 8,767.00 | 38.94 | 288.18 | 8,480.44 | 8,726.44 | 90.51 N | 117.80 W | 422,401.02 | 3,312,023.07 | 7.91 | 141.08 | |
| 8,799.00 | 41.34 | 287.20 | 8,504.90 | 8,750.90 | 96.77 N | 137.46 W | 422,407.28 | 3,312,003.41 | 7.76 | 161.70 | |
| 8,830.00 | 43.86 | 286.25 | 8,527.72 | 8,773.72 | 102.80 N | 157.55 W | 422,413.31 | 3,311,983.32 | 8.39 | 182.66 | |
| 8,862.00 | 45.70 | 286.07 | 8,550.43 | 8,796.43 | 109.08 N | 179.20 W | 422,419.59 | 3,311,961.67 | 5.76 | 205.17 | |
| 8,894.00 | 47.77 | 286.45 | 8,572.36 | 8,818.36 | 115.60 N | 201.57 W | 422,426.11 | 3,311,939.30 | 6.53 | 228.44 | |
| 8,926.00 | 50.27 | 286.95 | 8,593.35 | 8,839.35 | 122.54 N | 224.71 W | 422,433.05 | 3,311,916.16 | 7.90 | 252.57 | |
| 8,958.00 | 52.82 | 287.48 | 8,613.25 | 8,859.25 | 129.96 N | 248.64 W | 422,440.47 | 3,311,892.23 | 8.07 | 277.61 | |
| 8,990.00 | 55.29 | 287.96 | 8,632.03 | 8,878.03 | 137.85 N | 273.31 W | 422,448.36 | 3,311,867.56 | 7.81 | 303.50 | |
| 9,022.00 | 56.86 | 288.53 | 8,649.89 | 8,895.89 | 146.16 N | 298.53 W | 422,456.67 | 3,311,842.34 | 5.12 | 330.05 | |
| 9,053.00 | 58.89 | 288.53 | 8,666.37 | 8,912.37 | 154.51 N | 323.42 W | 422,465.02 | 3,311,817.45 | 6.55 | 356.30 | |
| 9,085.00 | 62.05 | 289.59 | 8,682.14 | 8,928.14 | 163.60 N | 349.73 W | 422,474.11 | 3,311,791.14 | 10.29 | 384.14 | |
| 9,117.00 | 65.48 | 289.41 | 8,696.29 | 8,942.29 | 173.18 N | 376.79 W | 422,483.69 | 3,311,764.08 | 10.73 | 412.84 | |
| 9,149.00 | 69.61 | 289.59 | 8,708.51 | 8,954.51 | 183.05 N | 404.66 W | 422,493.56 | 3,311,736.21 | 12.92 | 442.40 | |
| 9,229.00 | 80.71 | 290.79 | 8,728.97 | 8,974.97 | 209.72 N | 477.12 W | 422,520.23 | 3,311,663.75 | 13.95 | 519.60 | |
| 9,261.00 | 83.00 | 291.49 | 8,733.50 | 8,979.50 | 221.14 N | 506.66 W | 422,531.65 | 3,311,634.21 | 7.48 | 551.26 | |
| 9,356.00 | 91.11 | 288.86 | 8,738.38 | 8,984.38 | 253.82 N | 595.63 W | 422,564.33 | 3,311,545.24 | 8.97 | 646.04 | |

HALLIBURTON**Design Report for Scamardo Grimes, LP No 1H - Surveys**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | TVD below System (usft) | Vertical Depth (usft) | Local Coordinates | | Map Coordinates | | Dogleg Rate (°/100usft) | Vertical Section (usft) | Comments |
|-----------------------------|--------------------|----------------|-------------------------------|-----------------------------|--------------------|-------------------|--------------------|-------------------|-------------------------------|-------------------------------|----------|
| | | | | | Northing (usft) | Easting (usft) | Northing (usft) | Easting (usft) | | | |
| 9,452.00 | 92.47 | 289.13 | 8,735.38 | 8,981.38 | 285.06 N | 686.36 W | 422,595.57 | 3,311,454.51 | 1.44 | 741.99 | |
| 9,547.00 | 91.24 | 289.36 | 8,732.30 | 8,978.30 | 316.35 N | 776.00 W | 422,626.86 | 3,311,364.87 | 1.32 | 836.94 | |
| 9,641.00 | 89.32 | 288.45 | 8,731.84 | 8,977.84 | 346.80 N | 864.92 W | 422,657.31 | 3,311,275.95 | 2.26 | 930.93 | |
| 9,737.00 | 89.94 | 287.49 | 8,732.46 | 8,978.46 | 376.42 N | 956.24 W | 422,686.93 | 3,311,184.63 | 1.19 | 1,026.90 | |
| 9,832.00 | 90.00 | 285.44 | 8,732.51 | 8,978.51 | 403.35 N | 1,047.34 W | 422,713.86 | 3,311,093.53 | 2.16 | 1,121.78 | |
| 9,927.00 | 91.79 | 285.12 | 8,731.03 | 8,977.03 | 428.38 N | 1,138.96 W | 422,738.89 | 3,311,001.91 | 1.91 | 1,216.53 | |
| 10,023.00 | 90.93 | 285.40 | 8,728.75 | 8,974.75 | 453.64 N | 1,231.55 W | 422,764.15 | 3,310,909.32 | 0.94 | 1,312.27 | |
| 10,118.00 | 90.56 | 286.35 | 8,727.52 | 8,973.52 | 479.62 N | 1,322.92 W | 422,790.13 | 3,310,817.95 | 1.07 | 1,407.09 | |
| 10,214.00 | 91.73 | 286.07 | 8,725.60 | 8,971.60 | 506.41 N | 1,415.08 W | 422,816.92 | 3,310,725.79 | 1.25 | 1,502.93 | |
| 10,309.00 | 91.05 | 285.80 | 8,723.29 | 8,969.29 | 532.49 N | 1,506.41 W | 422,843.00 | 3,310,634.46 | 0.77 | 1,597.74 | |
| 10,405.00 | 91.24 | 286.03 | 8,721.37 | 8,967.37 | 558.81 N | 1,598.71 W | 422,869.32 | 3,310,542.16 | 0.31 | 1,693.56 | |
| 10,500.00 | 92.22 | 283.70 | 8,718.51 | 8,964.51 | 583.17 N | 1,690.48 W | 422,893.68 | 3,310,450.39 | 2.66 | 1,788.22 | |
| 10,596.00 | 91.85 | 282.25 | 8,715.10 | 8,961.10 | 604.71 N | 1,783.97 W | 422,915.22 | 3,310,356.90 | 1.56 | 1,883.58 | |
| 10,701.00 | 91.91 | 283.63 | 8,711.65 | 8,957.65 | 628.21 N | 1,886.24 W | 422,938.72 | 3,310,254.63 | 1.31 | 1,987.88 | |
| 10,724.00 | 86.30 | 280.24 | 8,712.01 | 8,958.01 | 632.96 N | 1,908.73 W | 422,943.47 | 3,310,232.14 | 28.49 | 2,010.67 | |
| 10,756.00 | 87.10 | 280.59 | 8,713.85 | 8,959.85 | 638.74 N | 1,940.15 W | 422,949.25 | 3,310,200.72 | 2.73 | 2,042.24 | |
| 10,819.00 | 87.96 | 280.73 | 8,716.57 | 8,962.57 | 650.38 N | 2,002.00 W | 422,960.89 | 3,310,138.87 | 1.38 | 2,104.47 | |
| 10,914.00 | 89.32 | 280.54 | 8,718.82 | 8,964.82 | 667.91 N | 2,095.34 W | 422,978.42 | 3,310,045.53 | 1.45 | 2,198.36 | |
| 11,010.00 | 90.37 | 280.45 | 8,719.08 | 8,965.08 | 685.39 N | 2,189.74 W | 422,995.90 | 3,309,951.13 | 1.10 | 2,293.23 | |
| 11,106.00 | 90.99 | 282.25 | 8,717.94 | 8,963.94 | 704.28 N | 2,283.85 W | 423,014.79 | 3,309,857.02 | 1.98 | 2,388.30 | |
| 11,201.00 | 89.01 | 285.43 | 8,717.94 | 8,963.94 | 727.00 N | 2,376.07 W | 423,037.51 | 3,309,764.80 | 3.94 | 2,482.86 | |
| 11,296.00 | 90.19 | 285.97 | 8,718.61 | 8,964.61 | 752.71 N | 2,467.53 W | 423,063.22 | 3,309,673.34 | 1.37 | 2,577.67 | |
| 11,391.00 | 91.60 | 289.52 | 8,717.12 | 8,963.12 | 781.65 N | 2,557.98 W | 423,092.16 | 3,309,582.89 | 4.02 | 2,672.60 | |
| 11,486.00 | 90.93 | 288.68 | 8,715.03 | 8,961.03 | 812.73 N | 2,647.72 W | 423,123.24 | 3,309,493.15 | 1.13 | 2,767.58 | |
| 11,582.00 | 90.86 | 289.24 | 8,713.53 | 8,959.53 | 843.92 N | 2,738.50 W | 423,154.43 | 3,309,402.37 | 0.59 | 2,863.57 | |
| 11,677.00 | 90.99 | 289.73 | 8,711.99 | 8,957.99 | 875.60 N | 2,828.05 W | 423,186.11 | 3,309,312.82 | 0.53 | 2,958.55 | |
| 11,772.00 | 89.81 | 289.84 | 8,711.33 | 8,957.33 | 907.76 N | 2,917.44 W | 423,218.27 | 3,309,223.43 | 1.25 | 3,053.55 | |
| 11,868.00 | 90.49 | 290.84 | 8,711.08 | 8,957.08 | 941.13 N | 3,007.45 W | 423,251.64 | 3,309,133.42 | 1.26 | 3,149.53 | |
| 11,962.00 | 90.74 | 290.60 | 8,710.07 | 8,956.07 | 974.38 N | 3,095.37 W | 423,284.89 | 3,309,045.50 | 0.37 | 3,243.49 | |
| 11,994.00 | 90.56 | 289.75 | 8,709.71 | 8,955.71 | 985.42 N | 3,125.40 W | 423,295.93 | 3,309,015.47 | 2.71 | 3,275.49 | |
| 12,025.00 | 90.55 | 288.57 | 8,709.41 | 8,955.41 | 995.59 N | 3,154.68 W | 423,306.10 | 3,308,986.19 | 3.81 | 3,306.48 | |
| 12,058.00 | 90.86 | 288.72 | 8,709.00 | 8,955.00 | 1,006.14 N | 3,185.95 W | 423,316.65 | 3,308,954.92 | 1.04 | 3,339.48 | |
| 12,089.00 | 91.61 | 288.98 | 8,708.33 | 8,954.33 | 1,016.15 N | 3,215.28 W | 423,326.66 | 3,308,925.59 | 2.56 | 3,370.47 | |
| 12,121.00 | 91.11 | 288.42 | 8,707.57 | 8,953.57 | 1,026.41 N | 3,245.58 W | 423,336.92 | 3,308,895.29 | 2.35 | 3,402.46 | |
| 12,153.00 | 91.17 | 288.59 | 8,706.93 | 8,952.93 | 1,036.56 N | 3,275.92 W | 423,347.07 | 3,308,864.95 | 0.56 | 3,434.45 | |
| 12,185.00 | 92.41 | 288.35 | 8,705.94 | 8,951.94 | 1,046.70 N | 3,306.26 W | 423,357.21 | 3,308,834.61 | 3.95 | 3,466.43 | |
| 12,217.00 | 91.24 | 288.28 | 8,704.92 | 8,950.92 | 1,056.75 N | 3,336.62 W | 423,367.26 | 3,308,804.25 | 3.66 | 3,498.41 | |
| 12,249.00 | 91.42 | 288.79 | 8,704.17 | 8,950.17 | 1,066.92 N | 3,366.95 W | 423,377.43 | 3,308,773.92 | 1.69 | 3,530.40 | |
| 12,342.00 | 90.56 | 290.52 | 8,702.57 | 8,948.57 | 1,098.19 N | 3,454.52 W | 423,408.70 | 3,308,686.35 | 2.08 | 3,623.38 | |

HALLIBURTON**Design Report for Scamardo Grimes, LP No 1H - Surveys**

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | TVD below System (usft) | Vertical Depth (usft) | Local Coordinates Northing (usft) Easting (usft) | | Map Coordinates Northing (usft) Easting (usft) | | Dogleg Rate (°/100usft) | Vertical Section (usft) | Comments |
|-----------------------------|--------------------|----------------|-------------------------------|-----------------------------|--|------------|--|--------------|-------------------------------|-------------------------------|----------|
| 12,438.00 | 90.18 | 288.49 | 8,701.95 | 8,947.95 | 1,130.24 N | 3,545.00 W | 423,440.75 | 3,308,595.87 | 2.15 | 3,719.37 | |
| 12,533.00 | 89.88 | 284.66 | 8,701.90 | 8,947.90 | 1,157.34 N | 3,636.03 W | 423,467.85 | 3,308,504.84 | 4.04 | 3,814.25 | |
| 12,628.00 | 90.86 | 282.76 | 8,701.28 | 8,947.28 | 1,179.85 N | 3,728.32 W | 423,490.36 | 3,308,412.55 | 2.25 | 3,908.79 | |
| 12,723.00 | 90.31 | 283.66 | 8,700.31 | 8,946.31 | 1,201.56 N | 3,820.80 W | 423,512.07 | 3,308,320.07 | 1.11 | 4,003.25 | |
| 12,818.00 | 90.18 | 281.74 | 8,699.91 | 8,945.91 | 1,222.45 N | 3,913.47 W | 423,532.96 | 3,308,227.40 | 2.03 | 4,097.62 | |
| 12,913.00 | 90.74 | 282.80 | 8,699.14 | 8,945.14 | 1,242.63 N | 4,006.30 W | 423,553.14 | 3,308,134.57 | 1.26 | 4,191.90 | |
| 13,008.00 | 90.55 | 285.23 | 8,698.07 | 8,944.07 | 1,265.64 N | 4,098.46 W | 423,576.15 | 3,308,042.41 | 2.57 | 4,286.49 | |
| 13,200.00 | 90.49 | 291.75 | 8,696.33 | 8,942.33 | 1,326.49 N | 4,280.44 W | 423,637.00 | 3,307,860.43 | 3.40 | 4,478.36 | |
| 13,296.00 | 90.43 | 296.71 | 8,695.56 | 8,941.56 | 1,365.88 N | 4,367.95 W | 423,676.39 | 3,307,772.92 | 5.17 | 4,573.97 | |
| 13,387.00 | 91.02 | 292.40 | 8,694.41 | 8,940.41 | 1,403.68 N | 4,450.70 W | 423,714.19 | 3,307,690.17 | 4.78 | 4,664.56 | |
| 13,419.00 | 90.93 | 295.02 | 8,693.86 | 8,939.86 | 1,416.55 N | 4,479.99 W | 423,727.06 | 3,307,660.88 | 8.19 | 4,696.45 | |
| 13,450.00 | 91.20 | 294.41 | 8,693.29 | 8,939.29 | 1,429.51 N | 4,508.14 W | 423,740.02 | 3,307,632.73 | 2.15 | 4,727.31 | |
| 13,482.00 | 91.70 | 293.87 | 8,692.48 | 8,938.48 | 1,442.59 N | 4,537.33 W | 423,753.10 | 3,307,603.54 | 2.30 | 4,759.18 | |
| 13,514.00 | 92.04 | 292.58 | 8,691.43 | 8,937.43 | 1,455.20 N | 4,566.73 W | 423,765.71 | 3,307,574.14 | 4.17 | 4,791.09 | |
| 13,546.00 | 92.47 | 294.03 | 8,690.17 | 8,936.17 | 1,467.85 N | 4,596.09 W | 423,778.36 | 3,307,544.78 | 4.72 | 4,822.98 | |
| 13,577.00 | 92.44 | 294.41 | 8,688.85 | 8,934.85 | 1,480.56 N | 4,624.34 W | 423,791.07 | 3,307,516.53 | 1.23 | 4,853.84 | |
| 13,609.00 | 90.59 | 294.36 | 8,688.00 | 8,934.00 | 1,493.76 N | 4,653.47 W | 423,804.27 | 3,307,487.40 | 5.78 | 4,885.70 | |
| 13,640.00 | 89.14 | 293.49 | 8,688.07 | 8,934.07 | 1,506.33 N | 4,681.81 W | 423,816.84 | 3,307,459.06 | 5.45 | 4,916.60 | |
| 13,672.00 | 89.29 | 293.14 | 8,688.51 | 8,934.51 | 1,519.00 N | 4,711.19 W | 423,829.51 | 3,307,429.68 | 1.19 | 4,948.52 | |
| 13,704.00 | 89.85 | 292.67 | 8,688.75 | 8,934.75 | 1,531.45 N | 4,740.67 W | 423,841.96 | 3,307,400.20 | 2.28 | 4,980.45 | |
| 13,735.00 | 90.40 | 293.56 | 8,688.68 | 8,934.68 | 1,543.62 N | 4,769.18 W | 423,854.13 | 3,307,371.69 | 3.37 | 5,011.38 | |
| 13,767.00 | 91.02 | 293.44 | 8,688.29 | 8,934.29 | 1,556.38 N | 4,798.52 W | 423,866.89 | 3,307,342.35 | 1.97 | 5,043.29 | |
| 13,799.00 | 91.30 | 293.49 | 8,687.64 | 8,933.64 | 1,569.12 N | 4,827.87 W | 423,879.63 | 3,307,313.00 | 0.89 | 5,075.20 | |
| 13,831.00 | 90.37 | 293.18 | 8,687.17 | 8,933.17 | 1,581.79 N | 4,857.25 W | 423,892.30 | 3,307,283.62 | 3.06 | 5,107.12 | |
| 13,863.00 | 89.66 | 293.53 | 8,687.16 | 8,933.16 | 1,594.48 N | 4,886.62 W | 423,904.99 | 3,307,254.25 | 2.47 | 5,139.03 | |
| 13,894.00 | 90.03 | 292.81 | 8,687.25 | 8,933.25 | 1,606.68 N | 4,915.12 W | 423,917.19 | 3,307,225.75 | 2.61 | 5,169.96 | |
| 13,926.00 | 90.22 | 294.56 | 8,687.18 | 8,933.18 | 1,619.53 N | 4,944.43 W | 423,930.04 | 3,307,196.44 | 5.50 | 5,201.87 | |
| 13,958.00 | 90.71 | 293.04 | 8,686.92 | 8,932.92 | 1,632.44 N | 4,973.70 W | 423,942.95 | 3,307,167.17 | 4.99 | 5,233.77 | |
| 13,990.00 | 91.51 | 292.48 | 8,686.30 | 8,932.30 | 1,644.82 N | 5,003.21 W | 423,955.33 | 3,307,137.66 | 3.05 | 5,265.70 | |
| 14,022.00 | 92.04 | 294.48 | 8,685.31 | 8,931.31 | 1,657.56 N | 5,032.54 W | 423,968.07 | 3,307,108.33 | 6.46 | 5,297.60 | |
| 14,053.00 | 92.66 | 292.99 | 8,684.04 | 8,930.04 | 1,670.03 N | 5,060.89 W | 423,980.54 | 3,307,079.98 | 5.20 | 5,328.48 | |
| 14,085.00 | 91.42 | 292.84 | 8,682.90 | 8,928.90 | 1,682.48 N | 5,090.35 W | 423,992.99 | 3,307,050.52 | 3.90 | 5,360.39 | |
| 14,117.00 | 91.54 | 293.22 | 8,682.07 | 8,928.07 | 1,695.00 N | 5,119.79 W | 424,005.51 | 3,307,021.08 | 1.24 | 5,392.31 | |
| 14,148.00 | 90.19 | 292.99 | 8,681.60 | 8,927.60 | 1,707.16 N | 5,148.30 W | 424,017.67 | 3,306,992.57 | 4.42 | 5,423.24 | |
| 14,180.00 | 90.15 | 294.81 | 8,681.51 | 8,927.51 | 1,720.12 N | 5,177.55 W | 424,030.63 | 3,306,963.32 | 5.69 | 5,455.13 | |
| 14,212.00 | 90.83 | 293.42 | 8,681.23 | 8,927.23 | 1,733.20 N | 5,206.76 W | 424,043.71 | 3,306,934.11 | 4.84 | 5,487.02 | |
| 14,244.00 | 91.20 | 293.71 | 8,680.67 | 8,926.67 | 1,745.99 N | 5,236.09 W | 424,056.50 | 3,306,904.78 | 1.47 | 5,518.92 | |
| 14,276.00 | 89.85 | 293.82 | 8,680.37 | 8,926.37 | 1,758.88 N | 5,265.37 W | 424,069.39 | 3,306,875.50 | 4.23 | 5,550.82 | |
| 14,339.00 | 89.81 | 294.47 | 8,680.56 | 8,926.56 | 1,784.65 N | 5,322.86 W | 424,095.16 | 3,306,818.01 | 1.03 | 5,613.60 | |

HALLIBURTON

Design Report for Scamardo Grimes, LP No 1H - Surveys

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | TVD below System (usft) | Vertical Depth (usft) | Local Coordinates (usft) | | Map Coordinates (usft) | | Dogleg Rate (°/100usft) | Vertical Section (usft) | Comments |
|-----------------------|-----------------|-------------|-------------------------|-----------------------|--------------------------|------------|------------------------|--------------|-------------------------|-------------------------|--------------------------------|
| | | | | | Northing | Easting | Northing | Easting | | | |
| 14,434.00 | 92.29 | 294.12 | 8,678.82 | 8,924.82 | 1,823.73 N | 5,409.42 W | 424,134.24 | 3,306,731.45 | 2.64 | 5,708.21 | |
| 14,482.00 | 93.15 | 293.09 | 8,676.54 | 8,922.54 | 1,842.93 N | 5,453.36 W | 424,153.44 | 3,306,687.51 | 2.79 | 5,756.02 | |
| 14,529.00 | 90.96 | 293.13 | 8,674.86 | 8,920.86 | 1,861.36 N | 5,496.55 W | 424,171.87 | 3,306,644.32 | 4.66 | 5,802.88 | |
| 14,578.00 | 89.35 | 292.99 | 8,674.72 | 8,920.72 | 1,880.55 N | 5,541.64 W | 424,191.06 | 3,306,599.23 | 3.30 | 5,851.77 | |
| 14,624.00 | 89.88 | 292.37 | 8,675.03 | 8,921.03 | 1,898.29 N | 5,584.08 W | 424,208.80 | 3,306,556.79 | 1.77 | 5,897.69 | |
| 14,669.00 | 90.34 | 292.45 | 8,674.95 | 8,920.95 | 1,915.45 N | 5,625.68 W | 424,225.96 | 3,306,515.19 | 1.04 | 5,942.62 | |
| 14,720.00 | 90.37 | 291.91 | 8,674.63 | 8,920.63 | 1,934.70 N | 5,672.91 W | 424,245.21 | 3,306,467.96 | 1.06 | 5,993.55 | |
| 14,765.00 | 89.26 | 292.35 | 8,674.78 | 8,920.78 | 1,951.65 N | 5,714.59 W | 424,262.16 | 3,306,426.28 | 2.65 | 6,038.50 | |
| 14,814.00 | 90.25 | 291.59 | 8,674.99 | 8,920.99 | 1,969.98 N | 5,760.03 W | 424,280.49 | 3,306,380.84 | 2.55 | 6,087.44 | |
| 14,859.00 | 91.11 | 291.19 | 8,674.45 | 8,920.45 | 1,986.39 N | 5,801.93 W | 424,296.90 | 3,306,338.94 | 2.11 | 6,132.41 | |
| 14,909.00 | 90.96 | 291.49 | 8,673.55 | 8,919.55 | 2,004.58 N | 5,848.49 W | 424,315.09 | 3,306,292.38 | 0.67 | 6,182.37 | |
| 14,953.00 | 89.23 | 291.94 | 8,673.48 | 8,919.48 | 2,020.86 N | 5,889.37 W | 424,331.37 | 3,306,251.50 | 4.06 | 6,226.33 | |
| 15,005.00 | 91.76 | 292.75 | 8,673.03 | 8,919.03 | 2,040.63 N | 5,937.46 W | 424,351.14 | 3,306,203.41 | 5.11 | 6,278.25 | |
| 15,053.00 | 91.11 | 292.55 | 8,671.82 | 8,917.82 | 2,059.11 N | 5,981.74 W | 424,369.62 | 3,306,159.13 | 1.42 | 6,326.15 | |
| 15,100.00 | 89.23 | 292.67 | 8,671.69 | 8,917.69 | 2,077.18 N | 6,025.13 W | 424,387.69 | 3,306,115.74 | 4.01 | 6,373.07 | |
| 15,149.00 | 90.49 | 294.28 | 8,671.80 | 8,917.80 | 2,096.70 N | 6,070.07 W | 424,407.21 | 3,306,070.80 | 4.17 | 6,421.93 | |
| 15,195.00 | 90.19 | 293.47 | 8,671.53 | 8,917.53 | 2,115.31 N | 6,112.13 W | 424,425.82 | 3,306,028.74 | 1.88 | 6,467.78 | |
| 15,243.00 | 90.37 | 292.66 | 8,671.30 | 8,917.30 | 2,134.12 N | 6,156.29 W | 424,444.63 | 3,305,984.58 | 1.73 | 6,515.68 | |
| 15,290.00 | 89.81 | 292.48 | 8,671.22 | 8,917.22 | 2,152.16 N | 6,199.69 W | 424,462.67 | 3,305,941.18 | 1.25 | 6,562.60 | |
| 15,339.00 | 91.05 | 293.76 | 8,670.86 | 8,916.86 | 2,171.40 N | 6,244.75 W | 424,481.91 | 3,305,896.12 | 3.64 | 6,611.49 | |
| 15,385.00 | 90.00 | 291.52 | 8,670.43 | 8,916.43 | 2,189.10 N | 6,287.20 W | 424,499.61 | 3,305,853.67 | 5.38 | 6,657.40 | |
| 15,434.00 | 90.52 | 291.70 | 8,670.21 | 8,916.21 | 2,207.15 N | 6,332.76 W | 424,517.66 | 3,305,808.11 | 1.12 | 6,706.36 | |
| 15,481.00 | 91.02 | 291.83 | 8,669.58 | 8,915.58 | 2,224.57 N | 6,376.40 W | 424,535.08 | 3,305,764.47 | 1.10 | 6,753.31 | |
| 15,520.00 | 90.03 | 293.67 | 8,669.22 | 8,915.22 | 2,239.65 N | 6,412.37 W | 424,550.16 | 3,305,728.50 | 5.36 | 6,792.24 | Last MWD Survey @ 15520.00' MD |
| 15,564.00 | 90.03 | 293.67 | 8,669.20 | 8,915.20 | 2,257.32 N | 6,452.66 W | 424,567.83 | 3,305,688.21 | 0.00 | 6,836.11 | Projected to TD @ 15564.00' MD |

Design Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
|-----------------------|-----------------------|-------------------|--------------|--------------------------------|
| | | +N/-S (usft) | +E/-W (usft) | |
| 15,520.00 | 8,915.22 | 2,239.65 | -6,412.37 | Last MWD Survey @ 15520.00' MD |
| 15,564.00 | 8,915.20 | 2,257.32 | -6,452.66 | Projected to TD @ 15564.00' MD |

Design Report for Scamardo Grimes, LP No 1H - Surveys

Vertical Section Information

| | Angle Type | Target | Azimuth (°) | Origin Type | Origin +N/_S (usft) | Origin +E/-W (usft) | Start TVD (usft) |
|-----------|------------|----------------------|-------------|-------------|---------------------|---------------------|------------------|
| User | | No Target (Freehand) | 289.28 | Slot | 0.00 | 0.00 | 0.00 |
| 10,701.00 | 15,564.00 | Sperry MWD | | | MWD+SC | | |

Targets

| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|---|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------------|-----------------|
| Scamardo Grimes, L | 0.00 | 0.00 | 8,911.40 | 2,227.49 | -6,469.87 | 424,538.00 | 3,305,671.00 | 30° 46' 0.786 N | 6° 10' 30.143 W |
| - hit/miss target | | | | | | | | | |
| - Shape | | | | | | | | | |
| - actual wellpath misses target center by 34.64usft at 15564.00usft MD (8915.20 TVD, 2257.32 N, -6452.66 E) | | | | | | | | | |
| - Point | | | | | | | | | |



HALLIBURTON**North Reference Sheet for Scamardo Grimes, LP - Scamardo Grimes, LP No 1H - ST01**

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GL 223' + KB 23' @ 246.00usft (Nabors M 12). Northing and Easting are relative to Scamardo Grimes, LP No 1H

Coordinate System is US State Plane 1927 (Exact solution), Texas Central 4203 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is 100° 20' 0.000 W°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:31° 53' 0.000 N°

False Easting: 2,000,000.00usft, False Northing: 0.00usft, Scale Reduction: 0.99989057

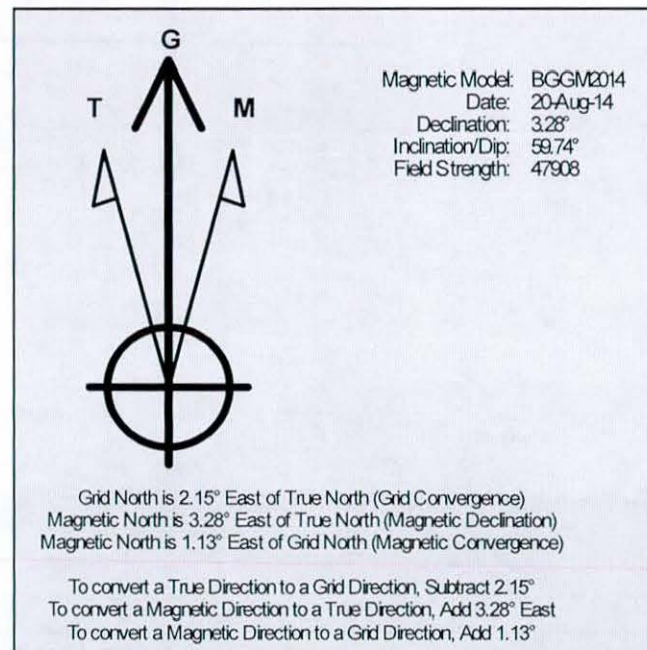
Grid Coordinates of Well: 422,310.51 usft N, 3,312,140.87 usft E

Geographical Coordinates of Well: 30° 45' 36.35" N, 096° 09' 16.99" W

Grid Convergence at Surface is: 2.15°

Based upon Minimum Curvature type calculations, at a Measured Depth of 15,564.00usft the Bottom Hole Displacement is 6,836.11usft in the Direction of 289.28° (Grid).

Magnetic Convergence at surface is: -1.13° (20 August 2014, , BGGM2014)



WELL INFORMATION

Created On : Sep 10 2014

End of Well Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

DIRECTIONAL DRILLERS

| | |
|--------------------------|-------------|
| Driller 1 : Casey Cooper | Driller 3 : |
| Driller 2 : Scott Marwil | Driller 4 : |

JOB OBJECTIVES

Drilling the Scamardo Grimes LP 1H , for Marlin Energy Resources

JOB SUMMARY

8-6-14

arrive on location, waiting on tools

8-7-14

Day # 1
 waiting on tools , tools arrive on loction @1430 , waiting on MWD to rig up

8-8-14

Day # 2
 waiting on MWD finished rigging up @ 0430 hrs , pick up Bha # 1 Trip in hole to 8300 slide as per plan 100%

8-9-14

Day # 3
 Drill and slide as per plan motor yielding 12/per 100 . rotating 15/ sliding 15 , some lost circulation

8-10-14

Day # 4
 sliding as per plan 100% still having lost circulation 50 bbl/per Hr, decided to set casing @ 9220 As per Marlin Company Rep

8-11-14

Day#5
 lay down tools run casing

8-12-14

Day#6
 finish running casing fill up with water try to establish circulation before cementing / cement / lay down drill pipe / test bop

8-13-14

Day # 7
 strap 4 inch drill pipe / pick up BHA #2 trip in hole picking up drill pipe

8-14-14

Day # 8
 Drilling and sliding as needed per plan

8-15-14

Day # 9
 Drill and slide as per plan ,

8-16-14

Day# 10
 Drill and slide as needed per plan , start tripping out of hole, POOH as per Marlin to Check bit , No GAbi Tool on location pick up mator assembly

8-17-14



JOB SUMMARY

Day # 11

Trip out of hole Pick up BHA 300, trip in hole drill same taking surveys every 30' as per marlin to stay in target

8-18-14

Day # 12

Drill and slide as per Plan # 3 assembly dropping in rotation sliding up to maintain angle as per Plan. hole packing off POOH circulate and condition mud

8-19-14

Day # 13

Hole problems tripping out of hole , tight packing off , relogg @ 10810 T 10915 , currently circulating weighting mud up to 10 ppb , cut mud weight back to 9.5 POOH for sidetrack

8-20-14

Day # 14

POOH for open hole sidetrack pick up 2.38 motor trip in hole to sidetrack @ 10701 MD

8-21-14

Day# 15

Finish tripping in hole time drilling @ 10701 T 10731 for sidetrack

8-22-14

Day # 16

POOH and P/U BHA #5. TIH and resume drilling.

8-23-14

Day # 17

Drill F/10960' T/11935'. Continue drilling lateral sliding as needed.

8-24-14

Day # 18

Drill F/11935' T/12855'. Continue drilling lateral sliding as needed.

8-25-14

Day # 19

Drill F/12855' T/13162'. Continue drilling lateral sliding as needed. Motor pressured up. POOH

8-26-14

Day # 20

POOH and P/U BHA #6. TIH. Trouble getting in sidetrack due to drill pipe tally being off.

8-27-14

Day # 21

Drill F/13162' T/13392'. Get into sidetrack and resume drilling lateral. ROP fell off to 10 ft/hr. After 10-15 minutes of slow ROP Marlin Energy decided to POOH. On surface motor drained and looked good with no excess bearing play. Bit looked fine with no damage and cutters still had sharp edge.

8-28-14

Day # 22

Drill F/13392' T/13810'. P/U BHA #7 and TIH. Was able to enter sidetrack with no problems. Resumed drilling lateral with conventional hunting motor.

8-29-14

Day # 22

Drill F/13810' T/14515'. Continue drilling lateral sliding as needed.

8-30-14

Day # 23

Drill F/14515' T/15240'. Continue drilling lateral sliding as needed.

8-31-14

Day # 24

Drill F/ 15240 T 15564 TD well . Circulate POOH to lay down directional tools



BHA SUMMARY

BHA # 1
 Drill curve to Casing point , motor yielding 12/15 per 100 no problems with assembly

BHA # 2
 Gabi assembly drill lateral , dropping in rotation , sliding up as needed per plan

BHA # 3
 motor assembly drill lateral , dropping in rotation sliding up as needed per plan POOH to sidetrack

BHA # 4
 Sidetrack assembly sidetrack @ 10701 POOH to pick up lateral assembly GABI MOTOR

BHA# 5
 Gabi Mot0r lateral assembly sliding for direction , motor pressured up POOH for Motor

BHA# 6
 Gabi Mot0r lateral assembly Drilling ahead ROP slowed down POOH as per MARlin to check BIT

BHA# 7
 Hunting motor set on 1.5 degree bend. Drilled from 13392' - 15564' TD well .

BHA CHART

| Run # | Bit # | Motor # | Hole Size (in) | MD In (ft) | MD Out (ft) | TVD In (ft) | TVD Out (ft) | Inc In (deg) | Inc Out (deg) | Azi In (deg) | Azi Out (deg) | Time Drilling (hr) | Time Circ (hr) |
|-------|-------|---------|----------------|------------|-------------|-------------|--------------|--------------|---------------|--------------|---------------|--------------------|----------------|
| 0100 | 1 | 1 | 9.875 | 8300.00 | 9220.00 | 8297.30 | 8973.19 | 0.95 | 79.46 | 268.58 | 290.66 | 42.50 | 0.00 |
| 0200 | 2 | 2 | 0.000 | 9220.00 | 10908.00 | 8973.19 | 8951.97 | 79.46 | 91.60 | 290.66 | 289.31 | 58.00 | 2.00 |
| 0300 | 3 | 3 | 0.000 | 10908.00 | 12055.00 | 8951.97 | 8920.44 | 91.60 | 91.57 | 289.31 | 294.22 | 30.50 | 6.00 |
| 0400 | 4 | 5 | 0.000 | 10701.00 | 10771.00 | 8957.90 | 8961.21 | 90.00 | 87.30 | 282.32 | 280.62 | 24.75 | 1.50 |
| 0500 | 5 | 5 | 0.000 | 10771.00 | 13162.00 | 8961.21 | 8943.27 | 87.30 | 90.50 | 280.62 | 290.46 | 67.00 | 0.50 |
| 0600 | | | 0.000 | 13162.00 | 13392.00 | 8943.27 | 8940.93 | 90.50 | 91.01 | 290.46 | 292.81 | 7.50 | 1.00 |
| 0700 | 4 | 7 | 0.000 | 13392.00 | 15564.00 | 8940.93 | 8915.80 | 91.01 | 90.03 | 292.81 | 293.07 | 69.00 | 5.25 |

MOTOR / ROTARY STEERABLE RUN SUMMARY

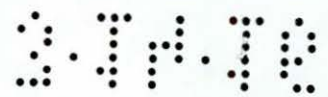
MOTOR / ROTARY STEERABLE CHART

| Motor # | Manufacturer | Model | Lobe | OD (in) | Gauge (in) | Bend (deg) | DLS (Ori) (°/100') | DLS (Rot) (°/100') | ROP (Ori) (fph) | ROP (Rot) (fph) |
|---------|-----------------|-------------|------|---------|------------|------------|--------------------|--------------------|-----------------|-----------------|
| 1 | Sperry Drilling | SperryDrill | 6:7 | 6.750 | | 2.38 | 0.00 | 0.00 | 19.35 | 28.83 |
| 2 | | | | 4.750 | | 1.83 | 0.00 | 0.00 | 17.90 | 40.71 |
| 3 | Sperry Drilling | SperryDrill | 7:8 | 4.750 | | 1.83 | 0.00 | 0.00 | 29.97 | 43.24 |
| 5 | | | | 5.000 | | 2.38 | | | 0.00 | 0.00 |
| 5 | Sperry | Gabi | 7:8 | 4.750 | | 1.50 | 0.00 | 0.00 | 16.28 | 62.45 |
| | | | | 4.750 | | 1.75 | 0.00 | 0.00 | 34.40 | 28.80 |
| 7 | Hunting | I | 7:8 | 4.750 | | 1.50 | 0.00 | 0.00 | 13.53 | 38.70 |

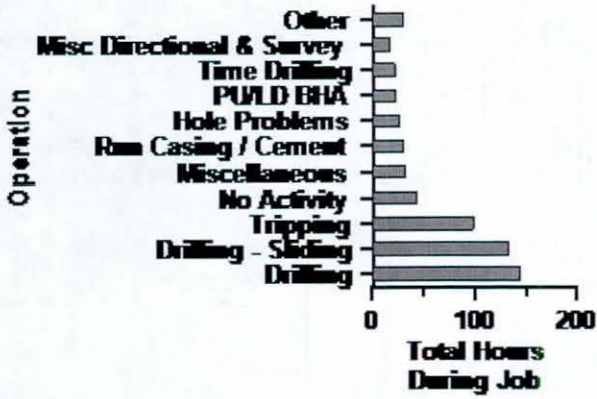
BIT RUN SUMMARY



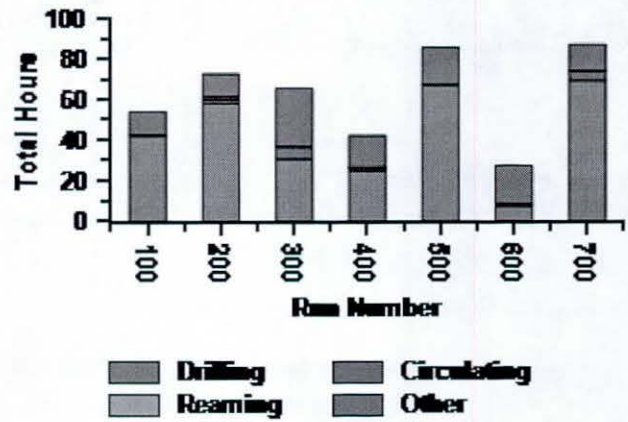
| BIT CHART | | | | | | | | | | | | | | |
|-----------|-------------------|----------|---------------|-------------------------|-----------|---------------------------|-------------|---|---|---|---|-----------------|--------------------------|--------------|
| Bit # | Manufacturer | Style | Gauge (in) | Gauge Length (in) | Nozzles | TFA (in ²) | Dull Grades | | | | | Footage (ft) | Time Drilling (hr) | ROP (fph) |
| | | | | | | | I | O | D | L | B | | | |
| 1 | NOV / ReedHycalog | | | | 7x14 | 1.052 | | | | | | 920.00 | 42.50 | 21.65 |
| 2 | HDBS | MM74D | | | 3x12,4x14 | 0.933 | | | | | | 1688.00 | 58.00 | 29.10 |
| 3 | NOV / ReedHycalog | DHS613D | | | 3x10,3x16 | 0.819 | | | | | | 1147.00 | 30.50 | 37.61 |
| 4 | NOV / ReedHycalog | STFX711D | | | 2x16,2x18 | 0.890 | | | | | | 70.00 | 24.75 | 2.83 |
| 5 | NOV / ReedHycalog | SKH613M | | | 3x12,3x15 | 0.849 | | | | | | 2391.00 | 67.00 | 35.69 |
| | | | | | 3x12,3x15 | 0.849 | | | | | | 230.00 | 7.50 | 30.67 |
| 4 | HDBS | MM74D | 6.750 | | 3x12,4x14 | 0.933 | | | | | | 2172.00 | 69.00 | 31.48 |



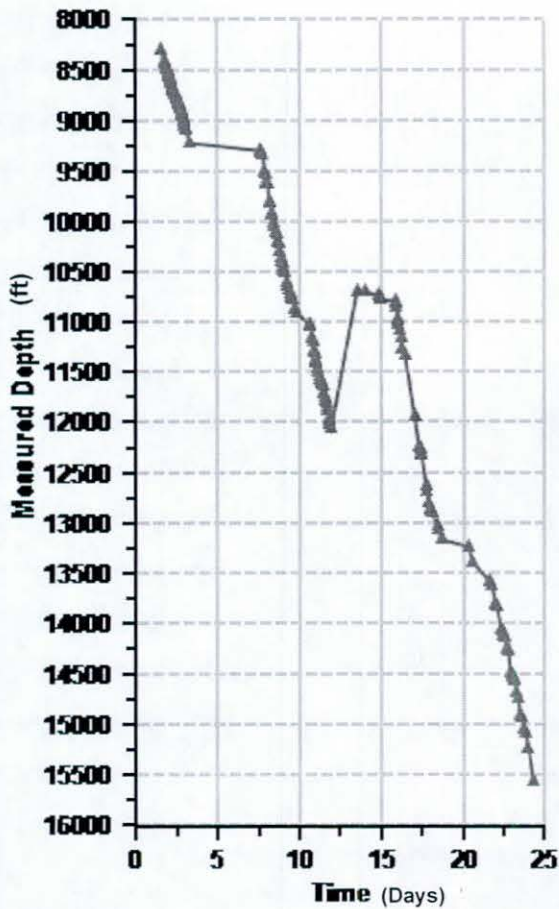
HOURS BY OPERATION



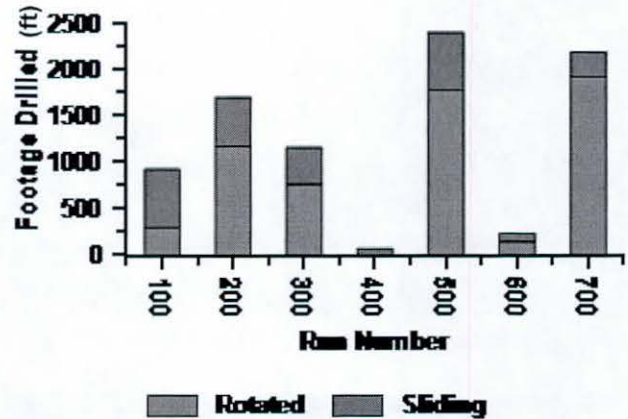
HOURS PER RUN



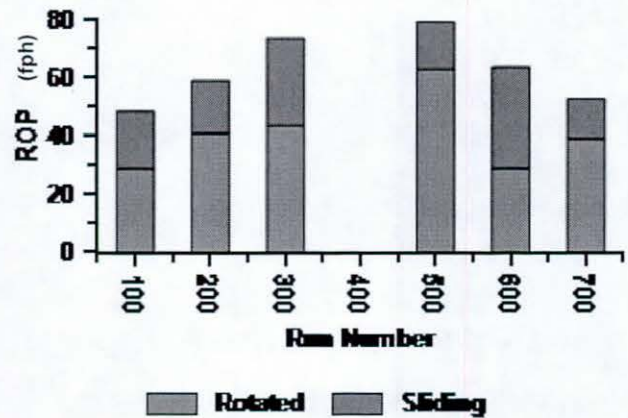
DAY vs DEPTH



FOOTAGE PER RUN



AVERAGE ROP PER RUN



HD-XX-0901529911

| MD (ft) | Formation Name MD/TVD (ft) | Inclination (deg) | | Bit Data | Drilling Parameters | Motor | BHA Stabilizers | Comments | Run # @ MD (ft) |
|----------|-------------------------------|-------------------|---------------|--|---|---------------------------------------|-----------------|--|-----------------|
| | | Inc | DLS ("'/100') | | | | | | |
| 8300.00 | | 0 | 25 | 7x14 21.65 fph 42.5 hr | WOB 9.12 klb FLO 582.00 gpm SPP 2575.00 psig | 6.750" SperryDrill 6/7 2.38 deg | | Drill curve from KOP to Casing Point @ 9220 Due to lost circulation | #100 @ 8300.0 |
| 8500.00 | | | | | | | | | |
| 8700.00 | | | | MM74D 3x12,4x14 29.1 fph 58 hr | WOB 15.45 klb FLO 240.00 gpm SPP 2300.00 psig | 4.750" 1.83 deg | | Finish Curve drill lateral to 10908 MD POOH as per marlin company REP to check bit thinking it was dulled out , bit had one broke cutter | #200 @ 9220.0 |
| 8900.00 | | | | | | | | | |
| 9100.00 | | | | DHS613D 3x10,3x16 37.61 fph 30.5 hr | WOB 12.75 klb RPM 65 FLO 250.00 gpm SPP 2850.00 psig | 4.750" SperryDrill 7/8 1.83 deg | | POOH to pick up Gabi | #300 @ 10908.0 |
| 9300.00 | | | | | | | | | |
| 9500.00 | | | | | | | | | |
| 9700.00 | | | | | | | | | |
| 9900.00 | | | | | | | | | |
| 10100.00 | | | | | | | | | |
| 10300.00 | | | | | | | | | |
| 10500.00 | | | | | | | | | |
| 10700.00 | | | | | | | | | |
| 10900.00 | | | | | | | | | |
| 11100.00 | | | | | | | | | |
| 11300.00 | | | | | | | | | |
| 11500.00 | | | | | | | | | |
| 11700.00 | | | | | | | | | |
| 11900.00 | | | | | | | | | |
| 12100.00 | | | | | | | | | |

HD-XX-0901529911

| MD (ft) | Formation Name MD/TVD (ft) | Inclination (deg) ——— DLS (°/100') - - - - - Inc | Bit Data | Drilling Parameters | Motor | BHA Stabilizers | Comments | Run # @ MD (ft) | |
|----------|----------------------------|--|---|---|---|----------------------------|---|---|----------------|
| 8322.00 | | | | | | | | | |
| 8822.00 | | | STFX711D 2x16,2x18 2.83 fph 24.75 hr | FLO 0.00 gpm | 5.000° 2.38 deg | | | #400 @ 10701.0 | |
| 9322.00 | | | SKH613M 3x12,3x15 35.69 fph 67 hr | WOB 13.90 klb RPM 65 FLO 250.00 gpm SPP 3247.62 psig | 4.750° Gabi 7/8 1.5 deg | | while sliding motor pressured up 350 psi, pick up off bottom pressure did not drop off rotated slowed pumps down pressure increase 10 spm @ 300 psi | #500 @ 10771.0 | |
| 9822.00 | | | | | | | | | |
| 10322.00 | | | | 3x12,3x15 30.67 fph 7.5 hr | WOB 10.00 klb RPM 65 FLO 240.00 gpm SPP 3400.00 psig | 4.750° 1.75 deg | | Drilling lateral sliding at 30 FV/hr Rotating @ 65 FV/HR Rop slowed down to 5 ft/hr while rotating Marlin decide to POCh to check bit | #600 @ 13162.0 |
| 10822.00 | | | | MM74D 3x12,4x14 31.48 fph 69 hr | WOB 13.05 klb RPM 73 FLO 250.00 gpm SPP 2926.19 psig | 4.750° I 7/8 1.5 deg | | Drill lateral to TD well @ 15564 MD | #700 @ 13392.0 |
| 11322.00 | | | | | | | | | |
| 11822.00 | | | | | | | | | |
| 12322.00 | | | | | | | | | |
| 12822.00 | | | | | | | | | |
| 13322.00 | | | | | | | | | |
| 13822.00 | | | | | | | | | |
| 14322.00 | | | | | | | | | |
| 14822.00 | | | | | | | | | |
| 15322.00 | | | | | | | | | |
| 15822.00 | | | | | | | | | |

WELL INFORMATION

Created On : Sep 09 2014

Drilling Activity

Customer : Marlin Energy Resources
Well Name : Scamardo Grimes LP 1 H
Job Number : HD-XX-0901529911
Rig Name : Nabors M 12
State / Province : Texas
County : Grimes
North Ref : Grid
Declination (deg) : 0.00
Vert Sec Dir (deg) : 0.00

| SURVEY | | | | | | | | | | STEERING | | | DRILLING PARAMETERS | | | | | | | |
|---------------------|------------------|---------------|---------------------|-----------------------|-------------|----------|--------------|---------------------|--------------------|--------------|---------|-----------------|---------------------|-----------|-----------------|-------------------|-----------|---------|-----|--|
| Measured Depth (ft) | Incl Angle (deg) | Azi Dir (deg) | Vertical Depth (ft) | Vertical Section (ft) | Coordinates | | DLS (°/100') | Build Rate (°/100') | Turn Rate (°/100') | Slide/Rotate | | Tool Face (deg) | RPM | WOB (klb) | Flow Rate (gpm) | Stand Pipe (psig) | ROP (fph) | Comment | | |
| | | | | | N/S (ft) | E/W (ft) | | | | From (ft) | To (ft) | | | | | | | Run | | |
| 8273.0 | 0.35 | 190.86 | 8270.30 | 0.00 | 32.90 | 32.60 | 0.00 | 0.00 | 0.00 | | | | | | | | | | 100 | |
| 8300.0 | | | | | | | | | | 8300 | 8413 | 289M | | 8 | 582 | 2575 | 22 | | 100 | |
| 8322.0 | 1.68 | 278.29 | 8319.29 | 32.86 | 32.86 | 31.86 | 3.47 | 2.71 | 0.00 | | | | | | | | | | 100 | |
| 8354.0 | 5.54 | 288.00 | 8351.22 | 33.40 | 33.40 | 29.93 | 12.17 | 12.06 | 0.00 | | | | | | | | | | 100 | |
| 8386.0 | 8.44 | 288.70 | 8382.98 | 34.63 | 34.63 | 26.23 | 9.07 | 9.06 | 2.19 | | | | | | | | | | 100 | |
| 8413.0 | | | | | | | | | | 8413 | 8425 | ROT | | 8 | 582 | 2575 | 24 | | 100 | |
| 8418.0 | 11.05 | 288.76 | 8414.52 | 36.37 | 36.37 | 21.10 | 8.16 | 8.16 | 0.19 | | | | | | | | | | 100 | |
| 8425.0 | | | | | | | | | | 8425 | 8439 | 289M | | 8 | 582 | 2575 | 19 | | 100 | |
| 8439.0 | | | | | | | | | | 8439 | 8444 | ROT | | 8 | 582 | 2575 | 20 | | 100 | |
| 8444.0 | | | | | | | | | | 8444 | 8471 | -10G | | 8 | 582 | 2575 | 18 | | 100 | |
| 8450.0 | 14.06 | 290.08 | 8445.75 | 38.69 | 38.69 | 14.55 | 9.45 | 9.41 | 4.12 | | | | | | | | | | 100 | |
| 8471.0 | | | | | | | | | | 8471 | 8478 | ROT | | 8 | 582 | 2575 | 14 | | 100 | |
| 8478.0 | | | | | | | | | | 8478 | 8503 | 0G | | 8 | 582 | 2575 | 20 | | 100 | |
| 8481.0 | 16.79 | 291.10 | 8475.63 | 41.60 | 41.60 | 6.83 | 8.85 | 8.81 | 3.29 | | | | | | | | | | 100 | |
| 8503.0 | | | | | | | | | | 8503 | 8518 | ROT | | 8 | 582 | 2575 | 60 | | 100 | |
| 8513.0 | 19.65 | 291.92 | 8506.02 | 45.27 | 45.27 | -2.47 | 8.97 | 8.94 | 2.56 | | | | | | | | | | 100 | |
| 8518.0 | | | | | | | | | | 8518 | 8534 | -15G | | 9 | 582 | 2575 | 21 | | 100 | |
| 8534.0 | | | | | | | | | | 8534 | 8544 | ROT | | 8 | 582 | 2575 | 40 | | 100 | |
| 8544.0 | | | | | | | | | | 8544 | 8548 | -20G | | 9 | 582 | 2575 | 16 | | 100 | |
| 8545.0 | 22.32 | 292.75 | 8535.90 | 49.63 | 49.63 | -13.07 | 8.40 | 8.34 | 2.59 | | | | | | | | | | 100 | |
| 8548.0 | | | | | | | | | | 8548 | 8566 | -20G | | 9 | 582 | 2575 | 24 | | 100 | |

| SURVEY | | | | | | | | | | STEERING | | | DRILLING PARAMETERS | | | | | | |
|------------------------|---------------------|------------------|------------------------|--------------------------|-------------|-------------|-----------------|------------------------|-----------------------|--------------|------------|--------------------|---------------------|--------------|--------------------|----------------------|--------------|---------|--|
| Measured Depth (ft) | Incl Angle (deg) | Azi Dir (deg) | Vertical Depth (ft) | Vertical Section (ft) | Coordinates | | DLS (°/100') | Build Rate (°/100') | Turn Rate (°/100') | Slide/Rotate | | Tool Face (deg) | RPM | WOB (klb) | Flow Rate (gpm) | Stand Pipe (psig) | ROP (fph) | Comment | |
| | | | | | N/S (ft) | E/W (ft) | | | | From (ft) | To (ft) | | | | | | | Run | |
| 8566.0 | | | | | | | | | | 8566 | 8578 | ROT | | 8 | 582 | 2575 | 48 | 100 | |
| 8577.0 | 25.05 | 292.75 | 8565.20 | 54.60 | 54.60 | -24.92 | 8.53 | 8.53 | 0.00 | | | | | | | | | 100 | |
| 8578.0 | | | | | | | | | | 8578 | 8598 | -20G | | 11 | 582 | 2575 | 27 | 100 | |
| 8598.0 | | | | | | | | | | 8598 | 8613 | ROT | | 8 | 582 | 2575 | 60 | 100 | |
| 8608.0 | 27.34 | 292.42 | 8593.01 | 59.85 | 59.85 | -37.56 | 7.40 | 7.39 | -1.06 | | | | | | | | | 100 | |
| 8613.0 | | | | | | | | | | 8613 | 8630 | -30G | | 11 | 582 | 2575 | 17 | 100 | |
| 8630.0 | | | | | | | | | | 8630 | 8671 | ROT | | 8 | 582 | 2575 | | 100 | |
| 8640.0 | 29.44 | 292.20 | 8621.16 | 65.63 | 65.63 | -51.63 | 6.57 | 6.56 | -0.69 | | | | | | | | | 100 | |
| 8671.0 | | | | | | | | | | 8671 | 8693 | -10G | | 11 | 582 | 2575 | 15 | 100 | |
| 8672.0 | 31.11 | 291.70 | 8648.80 | 71.66 | 71.66 | -66.60 | 5.28 | 5.22 | -1.56 | | | | | | | | | 100 | |
| 8693.0 | | | | | | | | | | 8693 | 8703 | ROT | | 8 | 582 | 2575 | 20 | 100 | |
| 8703.0 | | | | | | | | | | 8703 | 8725 | -20G | | 11 | 582 | 2575 | 11 | 100 | |
| 8704.0 | 33.78 | 290.84 | 8675.80 | 77.88 | 77.88 | -82.60 | 8.47 | 8.34 | -2.69 | | | | | | | | | 100 | |
| 8725.0 | | | | | | | | | | 8725 | 8740 | ROT | | 8 | 582 | 2575 | 30 | 100 | |
| 8735.0 | 36.56 | 289.59 | 8701.14 | 84.04 | 84.04 | -99.35 | 9.26 | 8.97 | -4.03 | | | | | | | | | 100 | |
| 8740.0 | | | | | | | | | | 8740 | 8755 | -20G | | 11 | 582 | 2575 | 10 | 100 | |
| 8755.0 | | | | | | | | | | 8755 | 8770 | ROT | | 8 | 582 | 2575 | 30 | 100 | |
| 8767.0 | 38.94 | 288.18 | 8726.44 | 90.38 | 90.38 | -117.89 | 7.91 | 7.44 | -4.41 | | | | | | | | | 100 | |
| 8770.0 | | | | | | | | | | 8770 | 8788 | -20G | | 11 | 582 | 2575 | 18 | 100 | |
| 8788.0 | | | | | | | | | | 8788 | 8803 | ROT | | 8 | 582 | 2575 | 30 | 100 | |
| 8799.0 | 41.34 | 287.20 | 8750.90 | 96.64 | 96.64 | -137.54 | 7.76 | 7.50 | -3.06 | | | | | | | | | 100 | |
| 8803.0 | | | | | | | | | | 8803 | 8820 | -20G | | 11 | 582 | 2575 | 11 | 100 | |
| 8820.0 | | | | | | | | | | 8820 | 8835 | ROT | | 8 | 582 | 2575 | 30 | 100 | |
| 8830.0 | 43.86 | 286.25 | 8773.72 | 102.68 | 102.68 | -157.63 | 8.39 | 8.13 | -3.06 | | | | | | | | | 100 | |
| 8835.0 | | | | | | | | | | 8835 | 8850 | 0G | | 11 | 582 | 2575 | 15 | 100 | |
| 8850.0 | | | | | | | | | | 8850 | 8865 | ROT | | 8 | 582 | 2575 | 30 | 100 | |
| 8862.0 | 46.23 | 286.70 | 8796.33 | 109.10 | 109.10 | -179.35 | 7.47 | 7.41 | 1.41 | | | | | | | | | 100 | |
| 8865.0 | | | | | | | | | | 8865 | 8883 | 20G | | 11 | 582 | 2575 | 14 | 100 | |
| 8883.0 | | | | | | | | | | 8883 | 8899 | ROT | | 8 | 582 | 2575 | 21 | 100 | |
| 8894.0 | 47.77 | 286.45 | 8818.15 | 115.77 | 115.77 | -201.78 | 4.85 | 4.81 | -0.78 | | | | | | | | | 100 | |
| 8899.0 | | | | | | | | | | 8899 | 8915 | 10G | | 11 | 582 | 2575 | 21 | 100 | |
| 8915.0 | | | | | | | | | | 8915 | 8930 | ROT | | 8 | 582 | 2575 | 60 | 100 | |

| SURVEY | | | | | | | | | | STEERING | | | DRILLING PARAMETERS | | | | | | |
|---------------------|------------------|---------------|---------------------|-----------------------|-------------|----------|--------------|---------------------|--------------------|--------------|---------|-----------------|---------------------|-----------|-----------------|-------------------|-----------|---------|--|
| Measured Depth (ft) | Incl Angle (deg) | Azi Dir (deg) | Vertical Depth (ft) | Vertical Section (ft) | Coordinates | | DLS (°/100') | Build Rate (°/100') | Turn Rate (°/100') | Slide/Rotate | | Tool Face (deg) | RPM | WOB (klb) | Flow Rate (gpm) | Stand Pipe (psig) | ROP (fph) | Comment | |
| | | | | | N/S (ft) | E/W (ft) | | | | From (ft) | To (ft) | | | | | | | Run | |
| 8926.0 | 50.27 | 286.95 | 8839.13 | 122.72 | 122.72 | -224.92 | 7.90 | 7.81 | 1.56 | | | | | | | | | 100 | |
| 8930.0 | | | | | | | | | | 8930 | 8947 | 10G | | 11 | 582 | 2575 | 17 | 100 | |
| 8947.0 | | | | | | | | | | 8947 | 8957 | ROT | | 8 | 582 | 2575 | 40 | 100 | |
| 8957.0 | | | | | | | | | | 8957 | 8979 | 10G | | 11 | 582 | 2575 | 29 | 100 | |
| 8958.0 | 52.82 | 287.48 | 8859.03 | 130.13 | 130.14 | -248.85 | 8.07 | 7.97 | 1.66 | | | | | | | | | 100 | |
| 8979.0 | | | | | | | | | | 8979 | 8994 | ROT | | 8 | 582 | 2575 | 30 | 100 | |
| 8990.0 | 55.29 | 287.96 | 8877.82 | 138.02 | 138.02 | -273.52 | 7.81 | 7.72 | 1.50 | | | | | | | | | 100 | |
| 8994.0 | | | | | | | | | | 8994 | 9011 | 0G | | 11 | 582 | 2575 | 34 | 100 | |
| 9011.0 | | | | | | | | | | 9011 | 9050 | ROT | | 8 | 582 | 2575 | 39 | 100 | |
| 9022.0 | 56.86 | 288.53 | 8895.67 | 146.33 | 146.33 | -298.74 | 5.12 | 4.91 | 1.78 | | | | | | | | | 100 | |
| 9050.0 | | | | | | | | | | 9050 | 9220 | 0G | | 11 | 582 | 2575 | | 100 | |
| 9053.0 | 58.89 | 288.53 | 8912.16 | 154.68 | 154.68 | -323.63 | 6.55 | 6.55 | 0.00 | | | | | | | | | 100 | |
| 9085.0 | 62.05 | 289.59 | 8927.93 | 163.77 | 163.77 | -349.94 | 10.29 | 9.87 | 3.31 | | | | | | | | | 100 | |
| 9117.0 | 65.48 | 289.41 | 8942.07 | 173.35 | 173.35 | -377.00 | 10.73 | 10.72 | -0.56 | | | | | | | | | 100 | |
| 9149.0 | 69.61 | 289.59 | 8954.29 | 183.22 | 183.22 | -404.87 | 12.92 | 12.91 | 0.56 | | | | | | | | | 100 | |
| 8273.0 | 0.35 | 190.86 | 8270.30 | 0.00 | 32.90 | 32.60 | 0.00 | 0.00 | 0.00 | | | | | | | | | 200 | |
| 9220.0 | | | | | | | | | | 9220 | 9343 | -20G | | 10 | 240 | 2300 | | 200 | |
| 9229.0 | 80.71 | 290.79 | 8974.75 | 209.89 | 209.89 | -477.33 | 13.95 | 13.88 | 1.50 | | | | | | | | | 200 | |
| 9261.0 | 83.00 | 291.49 | 8979.28 | 221.31 | 221.31 | -506.87 | 7.49 | 7.16 | 2.20 | | | | | | | | | 200 | |
| 9343.0 | | | | | | | | | | 9343 | 9520 | ROT | | 10 | 240 | 2300 | 59 | 200 | |
| 9356.0 | 91.11 | 288.86 | 8984.16 | 254.00 | 254.00 | -595.84 | 8.97 | 8.53 | -2.78 | | | | | | | | | 200 | |
| 9452.0 | 92.47 | 289.13 | 8981.16 | 285.23 | 285.23 | -686.57 | 1.44 | 1.42 | 0.29 | | | | | | | | | 200 | |
| 9520.0 | | | | | | | | | | 9520 | 9540 | 160G | | 15 | 240 | 2300 | 20 | 200 | |
| 9540.0 | | | | | | | | | | 9540 | 9615 | ROT | | 10 | 240 | 2300 | 60 | 200 | |
| 9547.0 | 91.24 | 289.36 | 8978.09 | 316.52 | 316.52 | -776.21 | 1.32 | -1.30 | 0.24 | | | | | | | | | 200 | |
| 9615.0 | | | | | | | | | | 9615 | 9635 | -145G | | 15 | 240 | 2300 | | 200 | |
| 9635.0 | | | | | | | | | | 9635 | 9805 | ROT | | 10 | 240 | 2300 | 52 | 200 | |
| 9641.0 | 89.32 | 288.45 | 8977.63 | 346.98 | 346.98 | -865.13 | 2.26 | -2.04 | -0.97 | | | | | | | | | 200 | |
| 9737.0 | 89.94 | 287.49 | 8978.25 | 376.60 | 376.60 | -956.45 | 1.19 | 0.64 | -1.00 | | | | | | | | | 200 | |
| 9805.0 | | | | | | | | | | 9805 | 9820 | 0G | | 20 | 240 | 2300 | 15 | 200 | |
| 9820.0 | | | | | | | | | | 9820 | 9910 | ROT | | 10 | 240 | 2300 | 60 | 200 | |
| 9832.0 | 90.00 | 285.44 | 8978.30 | 403.53 | 403.53 | -1047.54 | 2.16 | 0.06 | -2.16 | | | | | | | | | 200 | |

| SURVEY | | | | | | | | | | STEERING | | | DRILLING PARAMETERS | | | | | | | |
|---------------------|------------------|---------------|---------------------|-----------------------|-------------|----------|--------------|---------------------|--------------------|--------------|---------|-----------------|---------------------|-----------|-----------------|-------------------|-----------|---------|-----|--|
| Measured Depth (ft) | Incl Angle (deg) | Azi Dir (deg) | Vertical Depth (ft) | Vertical Section (ft) | Coordinates | | DLS (°/100') | Build Rate (°/100') | Turn Rate (°/100') | Slide/Rotate | | Tool Face (deg) | RPM | WOB (klb) | Flow Rate (gpm) | Stand Pipe (psig) | ROP (fph) | Comment | | |
| | | | | | N/S (ft) | E/W (ft) | | | | From (ft) | To (ft) | | | | | | | Run | | |
| 9910.0 | | | | | | | | | | 9910 | 9930 | 35G | | | 20 | 240 | 2300 | 20 | 200 | |
| 9927.0 | 91.79 | 285.12 | 8976.82 | 428.57 | 428.57 | -1139.17 | 1.92 | 1.89 | -0.35 | | | | | | | | | | 200 | |
| 9930.0 | | | | | | | | | | 9930 | 10005 | ROT | | | 10 | 240 | 2300 | 50 | 200 | |
| 10005.0 | | | | | | | | | | 10005 | 10040 | 35G | | | 20 | 240 | 2300 | 17 | 200 | |
| 10023.0 | 90.93 | 285.40 | 8974.54 | 453.82 | 453.82 | -1231.76 | 0.95 | -0.90 | 0.29 | | | | | | | | | | 200 | |
| 10040.0 | | | | | | | | | | 10040 | 10100 | ROT | | | 10 | 240 | 2300 | 60 | 200 | |
| 10100.0 | | | | | | | | | | 10100 | 10130 | 35G | | | 20 | 240 | 2300 | 12 | 200 | |
| 10118.0 | 90.56 | 286.35 | 8973.31 | 479.80 | 479.80 | -1323.13 | 1.07 | -0.39 | 1.00 | | | | | | | | | | 200 | |
| 10130.0 | | | | | | | | | | 10130 | 10195 | ROT | | | 10 | 240 | 2300 | 65 | 200 | |
| 10195.0 | | | | | | | | | | 10195 | 10222 | 35G | | | 20 | 240 | 2300 | 18 | 200 | |
| 10214.0 | 91.73 | 286.07 | 8971.40 | 506.59 | 506.59 | -1415.29 | 1.26 | 1.22 | -0.29 | | | | | | | | | | 200 | |
| 10222.0 | | | | | | | | | | 10222 | 10292 | ROT | | | 10 | 240 | 2300 | 47 | 200 | |
| 10292.0 | | | | | | | | | | 10292 | 10337 | 30G | | | 24 | 240 | 2300 | 31 | 200 | |
| 10309.0 | 91.05 | 285.80 | 8969.09 | 532.67 | 532.67 | -1506.61 | 0.77 | -0.72 | -0.28 | | | | | | | | | | 200 | |
| 10337.0 | | | | | | | | | | 10337 | 10387 | ROT | | | 10 | 240 | 2300 | | 200 | |
| 10387.0 | | | | | | | | | | 10387 | 10417 | 150G | | | 24 | 240 | 2300 | 12 | 200 | |
| 10405.0 | 91.24 | 286.03 | 8967.18 | 559.00 | 559.00 | -1598.91 | 0.31 | 0.19 | 0.24 | | | | | | | | | | 200 | |
| 10417.0 | | | | | | | | | | 10417 | 10483 | ROT | | | 10 | 240 | 2300 | | 200 | |
| 10483.0 | | | | | | | | | | 10483 | 10498 | 35G | | | 24 | 240 | 2300 | 20 | 200 | |
| 10498.0 | | | | | | | | | | 10498 | 10601 | ROT | | | 10 | 240 | 2300 | 41 | 200 | |
| 10500.0 | 92.22 | 283.70 | 8964.32 | 583.36 | 583.37 | -1690.68 | 2.66 | 1.04 | -2.45 | | | | | | | | | | 200 | |
| 10596.0 | 91.85 | 282.25 | 8960.90 | 604.91 | 604.91 | -1784.17 | 1.56 | -0.38 | -1.51 | | | | | | | | | | 200 | |
| 10601.0 | | | | | | | | | | 10601 | 10632 | 95G | | | 24 | 240 | 2300 | 20 | 200 | |
| 10632.0 | | | | | | | | | | 10632 | 10670 | ROT | | | 10 | 240 | 2300 | 41 | 200 | |
| 10670.0 | | | | | | | | | | 10670 | 10722 | 90G | | | 24 | 240 | 2300 | 20 | 200 | |
| 10691.0 | 91.61 | 283.22 | 8958.04 | 625.84 | 625.84 | -1876.79 | 1.05 | -0.26 | 1.02 | | | | | | | | | | 200 | |
| 10722.0 | | | | | | | | | | 10722 | 10756 | ROT | | | 10 | 240 | 2300 | 41 | 200 | |
| 10756.0 | | | | | | | | | | 10756 | 10778 | 135G | | | 24 | 240 | 2300 | 20 | 200 | |
| 10778.0 | | | | | | | | | | 10778 | 10865 | ROT | | | 10 | 240 | 2300 | 41 | 200 | |
| 10786.0 | 91.60 | 285.89 | 8955.37 | 649.70 | 649.70 | -1968.69 | 2.81 | 0.00 | 2.81 | | | | | | | | | | 200 | |
| 10865.0 | | | | | | | | | | 10865 | 10908 | 150G | | | 24 | 240 | 2300 | 20 | 200 | |
| 8273.0 | 0.35 | 190.86 | 8270.30 | 0.00 | 32.90 | 32.60 | 0.00 | 0.00 | 0.00 | | | | | | | | | | 300 | |

| SURVEY | | | | | | | | | | STEERING | | | DRILLING PARAMETERS | | | | | | |
|------------------------|---------------------|------------------|------------------------|--------------------------|-------------|-------------|-----------------|------------------------|-----------------------|--------------|------------|--------------------|---------------------|--------------|--------------------|----------------------|--------------|---------|--|
| Measured Depth (ft) | Incl Angle (deg) | Azi Dir (deg) | Vertical Depth (ft) | Vertical Section (ft) | Coordinates | | DLS (°/100') | Build Rate (°/100') | Turn Rate (°/100') | Slide/Rotate | | Tool Face (deg) | RPM | WOB (klb) | Flow Rate (gpm) | Stand Pipe (psig) | ROP (fph) | Comment | |
| | | | | | N/S (ft) | E/W (ft) | | | | From (ft) | To (ft) | | | | | | | Run | |
| 10908.0 | | | | | | | | | | 10908 | 11023 | ROT | 65 | 8 | 250 | | 42 | 300 | |
| 11023.0 | | | | | | | | | | 11023 | 11051 | 40G | | 15 | 250 | | 22 | 300 | |
| 11051.0 | | | | | | | | | | 11051 | 11156 | ROT | 65 | 8 | 250 | 2900 | 47 | 300 | |
| 11156.0 | | | | | | | | | | 11156 | 11188 | 35G | | 15 | 250 | 2800 | 32 | 300 | |
| 11188.0 | | | | | | | | | | 11188 | 11283 | ROT | 65 | 8 | 250 | 2900 | 54 | 300 | |
| 11283.0 | | | | | | | | | | 11283 | 11318 | 35G | | 18 | 250 | 2800 | 35 | 300 | |
| 11318.0 | | | | | | | | | | 11318 | 11371 | ROT | 65 | 8 | 250 | 2900 | 53 | 300 | |
| 11371.0 | | | | | | | | | | 11371 | 11401 | 10G | | 18 | 250 | 2800 | | 300 | |
| 11401.0 | | | | | | | | | | 11401 | 11465 | ROT | 65 | 8 | 250 | 2900 | 32 | 300 | |
| 11465.0 | | | | | | | | | | 11465 | 11505 | 10G | | 18 | 250 | 2800 | 32 | 300 | |
| 11505.0 | | | | | | | | | | 11505 | 11537 | ROT | 65 | 8 | 250 | 2900 | 64 | 300 | |
| 11537.0 | | | | | | | | | | 11537 | 11607 | 10G | | 18 | 250 | 2800 | | 300 | |
| 11607.0 | | | | | | | | | | 11607 | 11621 | ROT | 65 | 8 | 250 | 2900 | 28 | 300 | |
| 11621.0 | | | | | | | | | | 11621 | 11641 | 30G | | 18 | 250 | 2800 | 20 | 300 | |
| 11641.0 | | | | | | | | | | 11641 | 11717 | ROT | 65 | 8 | 250 | 2900 | 76 | 300 | |
| 11717.0 | | | | | | | | | | 11717 | 11742 | 45G | | 18 | 250 | 2800 | 25 | 300 | |
| 11742.0 | | | | | | | | | | 11742 | 11785 | ROT | 65 | 8 | 250 | 2900 | 43 | 300 | |
| 11785.0 | | | | | | | | | | 11785 | 11800 | 45G | | 18 | 250 | 2800 | 15 | 300 | |
| 11800.0 | | | | | | | | | | 11800 | 11845 | ROT | 65 | 8 | 250 | 2900 | 90 | 300 | |
| 11845.0 | | | | | | | | | | 11845 | 11876 | 45G | | 18 | 250 | 2800 | 41 | 300 | |
| 11876.0 | | | | | | | | | | 11876 | 11966 | ROT | 65 | 8 | 250 | 2900 | 60 | 300 | |
| 11966.0 | | | | | | | | | | 11966 | 11986 | 30G | | 18 | 250 | 2800 | 20 | 300 | |
| 11986.0 | | | | | | | | | | 11986 | 12013 | ROT | 65 | 8 | 250 | 2900 | 54 | 300 | |
| 12013.0 | | | | | | | | | | 12013 | 12055 | 30G | | 18 | 250 | 2800 | 21 | 300 | |

WARRANTY

HALLIBURTON ENERGY SERVICES, INC. WILL USE ITS BEST EFFORTS TO FURNISH CUSTOMERS WITH ACCURATE INFORMATION AND INTERPRETATIONS THAT ARE PART OF, AND INCIDENT TO, THE SERVICES PROVIDED. HOWEVER, HALLIBURTON ENERGY SERVICES, INC. CANNOT AND DOES NOT WARRANT THE ACCURACY OR CORRECTNESS OF SUCH INFORMATION AND INTERPRETATIONS. UNDER NO CIRCUMSTANCES SHOULD ANY SUCH INFORMATION OR INTERPRETATION BE RELIED UPON AS THE SOLE BASIS FOR ANY DRILLING, COMPLETION, PRODUCTION, OR FINANCIAL DECISION OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING VENTURE, DRILLING RIG OR ITS CREW OR ANY THIRD PARTY. THE CUSTOMER HAS FULL RESPONSIBILITY FOR ALL DRILLING, COMPLETION, AND PRODUCTION OPERATION. HALLIBURTON ENERGY SERVICES, INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE SERVICES RENDERED. IN NO EVENT WILL HALLIBURTON ENERGY SERVICES, INC. SERVICES BE LIABLE FOR FAILURE TO OBTAIN ANY PARTICULAR RESULTS OR FOR ANY DAMAGES, INCLUDING, BUT NOT LIMITED TO, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES, RESULTING FROM THE USE OF ANY INFORMATION OR INTERPRETATION PROVIDED BY HALLIBURTON ENERGY SERVICES, INC.

WELL INFORMATION

Created On : Sep 09 2014

Drilling Activity

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

North Ref : Grid
 Declination (deg) : 0.00
 Vert Sec Dir (deg) : 0.00

| SURVEY | | | | | | | | | | STEERING | | | DRILLING PARAMETERS | | | | | | |
|---------------------|------------------|---------------|---------------------|-----------------------|-------------|----------|--------------|---------------------|--------------------|--------------|---------|-----------------|---------------------|-----------|-----------------|-------------------|-----------|---------|-----|
| Measured Depth (ft) | Incl Angle (deg) | Azi Dir (deg) | Vertical Depth (ft) | Vertical Section (ft) | Coordinates | | DLS (°/100') | Build Rate (°/100') | Turn Rate (°/100') | Slide/Rotate | | Tool Face (deg) | RPM | WOB (klb) | Flow Rate (gpm) | Stand Pipe (psig) | ROP (fph) | Comment | |
| | | | | | N/S (ft) | E/W (ft) | | | | From (ft) | To (ft) | | | | | | | | Run |
| 8273.0 | 0.35 | 190.86 | 8270.30 | 0.00 | 32.90 | 32.60 | 0.00 | 0.00 | 0.00 | | | | | | | | | 400 | |
| 10701.0 | | | | | | | | | | 10701 | 10771 | -160G | | | 0 | | | 400 | |
| 10724.0 | 86.30 | 280.24 | 8958.64 | 632.55 | 632.55 | -1909.08 | 18.44 | -16.08 | -9.02 | | | | | | | | | 400 | |
| 10756.0 | 87.10 | 280.59 | 8960.48 | 638.32 | 638.32 | -1940.50 | 2.73 | 2.50 | 1.09 | | | | | | | | | 400 | |
| 8273.0 | 0.35 | 190.86 | 8270.30 | 0.00 | 32.90 | 32.60 | 0.00 | 0.00 | 0.00 | | | | | | | | | 500 | |
| 10771.0 | | | | | | | | | | 10771 | 10790 | -80G | | 14 | 250 | 3200 | 13 | 500 | |
| 10790.0 | | | | | | | | | | 10790 | 10821 | ROT | 65 | 12 | 250 | 3300 | 31 | 500 | |
| 10819.0 | 87.96 | 280.73 | 8963.19 | 649.96 | 649.96 | -2002.35 | 1.38 | 1.37 | 0.22 | | | | | | | | | 500 | |
| 10821.0 | | | | | | | | | | 10821 | 10856 | -10G | | 14 | 250 | 3200 | 28 | 500 | |
| 10856.0 | | | | | | | | | | 10856 | 10988 | ROT | 65 | 12 | 250 | 3300 | | 500 | |
| 10914.0 | 89.32 | 280.54 | 8965.45 | 667.49 | 667.49 | -2095.69 | 1.45 | 1.43 | -0.20 | | | | | | | | | 500 | |
| 10988.0 | | | | | | | | | | 10988 | 11018 | 30G | | 16 | 250 | 3200 | 40 | 500 | |
| 11010.0 | 90.37 | 280.45 | 8965.71 | 684.98 | 684.98 | -2190.08 | 1.10 | 1.09 | -0.09 | | | | | | | | | 500 | |
| 11018.0 | | | | | | | | | | 11018 | 11086 | ROT | 65 | 12 | 250 | 3300 | 54 | 500 | |
| 11086.0 | | | | | | | | | | 11086 | 11158 | 170G | | 16 | 250 | 3200 | 36 | 500 | |
| 11106.0 | 90.99 | 282.25 | 8964.57 | 703.87 | 703.87 | -2284.20 | 1.98 | 0.65 | 1.87 | | | | | | | | | 500 | |
| 11158.0 | | | | | | | | | | 11158 | 11266 | ROT | 65 | 12 | 250 | 3300 | 48 | 500 | |
| 11201.0 | 89.01 | 285.43 | 8964.57 | 726.59 | 726.59 | -2376.42 | 3.94 | -2.08 | 3.35 | | | | | | | | | 500 | |
| 11266.0 | | | | | | | | | | 11266 | 11332 | 90G | | 16 | 250 | 3200 | 19 | 500 | |
| 11296.0 | 90.19 | 285.97 | 8965.23 | 752.29 | 752.29 | -2467.87 | 1.37 | 1.24 | 0.57 | | | | | | | | | 500 | |
| 11332.0 | | | | | | | | | | 11332 | 12254 | ROT | 65 | 12 | 250 | 3300 | | 500 | |

| SURVEY | | | | | | | | | | STEERING | | | DRILLING PARAMETERS | | | | | |
|------------------------|---------------------|------------------|------------------------|--------------------------|-------------|-------------|-----------------|------------------------|-----------------------|--------------|------------|--------------------|---------------------|--------------|--------------------|----------------------|--------------|----------------|
| Measured Depth (ft) | Incl Angle (deg) | Azi Dir (deg) | Vertical Depth (ft) | Vertical Section (ft) | Coordinates | | DLS (°/100') | Build Rate (°/100') | Turn Rate (°/100') | Slide/Rotate | | Tool Face (deg) | RPM | WOB (klb) | Flow Rate (gpm) | Stand Pipe (psig) | ROP (fph) | Comment Run |
| | | | | | N/S (ft) | E/W (ft) | | | | From (ft) | To (ft) | | | | | | | |
| 11390.0 | 91.60 | 289.52 | 8963.76 | 780.93 | 780.93 | -2557.37 | 4.06 | 1.50 | 3.78 | | | | | | | | | 500 |
| 11486.0 | 90.93 | 288.68 | 8961.65 | 812.34 | 812.34 | -2648.06 | 1.12 | -0.70 | -0.87 | | | | | | | | | 500 |
| 11582.0 | 90.86 | 289.24 | 8960.15 | 843.53 | 843.53 | -2738.85 | 0.59 | -0.07 | 0.58 | | | | | | | | | 500 |
| 11677.0 | 90.99 | 289.73 | 8958.61 | 875.21 | 875.21 | -2828.39 | 0.53 | 0.14 | 0.52 | | | | | | | | | 500 |
| 11772.0 | 89.81 | 289.84 | 8957.95 | 907.37 | 907.37 | -2917.78 | 1.25 | -1.24 | 0.12 | | | | | | | | | 500 |
| 11868.0 | 90.49 | 290.84 | 8957.70 | 940.73 | 940.73 | -3007.79 | 1.26 | 0.71 | 1.04 | | | | | | | | | 500 |
| 11962.0 | 90.74 | 290.60 | 8956.69 | 973.99 | 973.99 | -3095.71 | 0.37 | 0.27 | -0.26 | | | | | | | | | 500 |
| 11994.0 | 90.56 | 289.75 | 8956.33 | 985.02 | 985.02 | -3125.74 | 2.72 | -0.56 | -2.66 | | | | | | | | | 500 |
| 12025.0 | 90.55 | 288.57 | 8956.03 | 995.20 | 995.20 | -3155.02 | 3.81 | -0.03 | -3.81 | | | | | | | | | 500 |
| 12058.0 | 90.86 | 288.72 | 8955.62 | 1005.75 | 1005.75 | -3186.29 | 1.04 | 0.94 | 0.45 | | | | | | | | | 500 |
| 12089.0 | 91.61 | 288.98 | 8954.95 | 1015.76 | 1015.76 | -3215.62 | 2.56 | 2.42 | 0.84 | | | | | | | | | 500 |
| 12121.0 | 91.11 | 288.42 | 8954.19 | 1026.02 | 1026.02 | -3245.92 | 2.35 | -1.56 | -1.75 | | | | | | | | | 500 |
| 12153.0 | 91.17 | 288.59 | 8953.55 | 1036.17 | 1036.17 | -3276.26 | 0.56 | 0.19 | 0.53 | | | | | | | | | 500 |
| 12185.0 | 92.41 | 288.35 | 8952.56 | 1046.30 | 1046.30 | -3306.60 | 3.95 | 3.88 | -0.75 | | | | | | | | | 500 |
| 12217.0 | 91.24 | 288.28 | 8951.54 | 1056.35 | 1056.35 | -3336.96 | 3.66 | -3.66 | -0.22 | | | | | | | | | 500 |
| 12249.0 | 91.42 | 288.79 | 8950.79 | 1066.52 | 1066.52 | -3367.29 | 1.69 | 0.56 | 1.59 | | | | | | | | | 500 |
| 12254.0 | | | | | | | | | | 12254 | 12274 | 165G | | 16 | 250 | 3200 | 11 | 500 |
| 12274.0 | | | | | | | | | | 12274 | 12315 | ROT | 65 | 12 | 250 | 3300 | 41 | 500 |
| 12315.0 | | | | | | | | | | 12315 | 12333 | 180G | | 16 | 250 | 3200 | 18 | 500 |
| 12333.0 | | | | | | | | | | 12333 | 12633 | ROT | 65 | 12 | 250 | 3300 | 48 | 500 |
| 12342.0 | 90.56 | 290.52 | 8949.19 | 1097.80 | 1097.80 | -3454.86 | 2.08 | -0.92 | 1.86 | | | | | | | | | 500 |
| 12437.0 | 90.19 | 288.49 | 8948.56 | 1129.52 | 1129.52 | -3544.40 | 2.17 | -0.39 | -2.14 | | | | | | | | | 500 |
| 12533.0 | 89.88 | 284.66 | 8948.51 | 1156.90 | 1156.90 | -3636.39 | 4.00 | -0.32 | -3.99 | | | | | | | | | 500 |
| 12628.0 | 90.86 | 282.76 | 8947.89 | 1179.41 | 1179.41 | -3728.68 | 2.25 | 1.03 | -2.00 | | | | | | | | | 500 |
| 12633.0 | | | | | | | | | | 12633 | 12694 | 90G | | 16 | 250 | 3200 | 30 | 500 |
| 12694.0 | | | | | | | | | | 12694 | 12799 | ROT | 65 | 12 | 250 | 3300 | 38 | 500 |
| 12723.0 | 90.31 | 283.66 | 8946.92 | 1201.12 | 1201.12 | -3821.16 | 1.11 | -0.58 | 0.95 | | | | | | | | | 500 |
| 12799.0 | | | | | | | | | | 12799 | 12884 | 90G | | 16 | 250 | 3200 | | 500 |
| 12818.0 | 90.18 | 281.74 | 8946.52 | 1222.00 | 1222.00 | -3913.83 | 2.03 | -0.14 | -2.02 | | | | | | | | | 500 |
| 12884.0 | | | | | | | | | | 12884 | 12894 | ROT | 65 | 12 | 250 | 3300 | 20 | 500 |
| 12894.0 | | | | | | | | | | 12894 | 13032 | 90G | | 16 | 250 | 3200 | 23 | 500 |
| 12913.0 | 90.74 | 282.80 | 8945.75 | 1242.19 | 1242.19 | -4006.65 | 1.26 | 0.59 | 1.12 | | | | | | | | | 500 |

| SURVEY | | | | | | | | | | STEERING | | | DRILLING PARAMETERS | | | | | | |
|---------------------|------------------|---------------|---------------------|-----------------------|-------------|----------|-------------------------|--------------------------------|-------------------------------|--------------|---------|-----------------|---------------------|-----------|-----------------|-------------------|-----------|---------|-----|
| Measured Depth (ft) | Incl Angle (deg) | Azi Dir (deg) | Vertical Depth (ft) | Vertical Section (ft) | Coordinates | | DLS ($^{\circ}/100'$) | Build Rate ($^{\circ}/100'$) | Turn Rate ($^{\circ}/100'$) | Slide/Rotate | | Tool Face (deg) | RPM | WOB (klb) | Flow Rate (gpm) | Stand Pipe (psig) | ROP (fph) | Comment | |
| | | | | | N/S (ft) | E/W (ft) | | | | From (ft) | To (ft) | | | | | | | | Run |
| 13008.0 | 90.55 | 285.23 | 8944.68 | 1265.19 | 1265.19 | -4098.81 | 2.57 | -0.20 | 2.56 | | | | | | | | | 500 | |
| 13032.0 | | | | | | | | | | 13032 | 13074 | ROT | 65 | 12 | 250 | 3300 | 20 | 500 | |
| 13074.0 | | | | | | | | | | 13074 | 13162 | 90G | | 16 | 250 | 3200 | 23 | 500 | |
| 8273.0 | 0.35 | 190.86 | 8270.30 | 0.00 | 32.90 | 32.60 | 0.00 | 0.00 | 0.00 | | | | | | | | | 600 | |
| 13162.0 | | | | | | | | | | 13162 | 13248 | 90G | | 10 | 240 | 3350 | 34 | 600 | |
| 13200.0 | 90.49 | 291.75 | 8942.94 | 1326.05 | 1326.05 | -4280.80 | 3.40 | -0.03 | 3.40 | | | | | | | | | 600 | |
| 13248.0 | | | | | | | | | | 13248 | 13392 | ROT | 65 | 10 | 240 | 3450 | 29 | 600 | |
| 13296.0 | 90.43 | 296.70 | 8942.17 | 1365.43 | 1365.43 | -4368.31 | 5.16 | -0.06 | 5.16 | | | | | | | | | 600 | |
| 13387.0 | 91.02 | 292.40 | 8941.02 | 1403.22 | 1403.22 | -4451.06 | 4.77 | 0.65 | -4.73 | | | | | | | | | 600 | |
| 8273.0 | 0.35 | 190.86 | 8270.30 | 0.00 | 32.90 | 32.60 | 0.00 | 0.00 | 0.00 | | | | | | | | | 700 | |
| 13392.0 | | | | | | | | | | 13392 | 13594 | ROT | 70 | 8 | 250 | 2900 | 40 | 700 | |
| 13419.0 | 90.93 | 295.02 | 8940.47 | 1416.09 | 1416.09 | -4480.35 | 8.19 | -0.28 | 8.19 | | | | | | | | | 700 | |
| 13450.0 | 91.20 | 294.41 | 8939.90 | 1429.05 | 1429.05 | -4508.51 | 2.15 | 0.87 | -1.97 | | | | | | | | | 700 | |
| 13482.0 | 91.70 | 293.87 | 8939.09 | 1442.13 | 1442.13 | -4537.70 | 2.30 | 1.56 | -1.69 | | | | | | | | | 700 | |
| 13514.0 | 92.04 | 292.58 | 8938.04 | 1454.74 | 1454.74 | -4567.09 | 4.17 | 1.06 | -4.03 | | | | | | | | | 700 | |
| 13546.0 | 92.47 | 294.03 | 8936.78 | 1467.39 | 1467.39 | -4596.45 | 4.72 | 1.34 | 4.53 | | | | | | | | | 700 | |
| 13577.0 | 92.44 | 294.41 | 8935.46 | 1480.10 | 1480.10 | -4624.70 | 1.23 | -0.10 | 1.23 | | | | | | | | | 700 | |
| 13594.0 | | | | | | | | | | 13594 | 13620 | 160G | | 24 | 250 | 2850 | 9 | 700 | |
| 13609.0 | 90.59 | 294.36 | 8934.61 | 1493.30 | 1493.30 | -4653.83 | 5.78 | -5.78 | -0.16 | | | | | | | | | 700 | |
| 13620.0 | | | | | | | | | | 13620 | 13820 | ROT | 70 | 9 | 250 | 2950 | | 700 | |
| 13640.0 | 89.14 | 293.49 | 8934.68 | 1505.88 | 1505.88 | -4682.17 | 5.45 | -4.68 | -2.81 | | | | | | | | | 700 | |
| 13672.0 | 89.29 | 293.14 | 8935.12 | 1518.54 | 1518.54 | -4711.55 | 1.19 | 0.47 | -1.09 | | | | | | | | | 700 | |
| 13704.0 | 89.85 | 292.67 | 8935.36 | 1530.99 | 1530.99 | -4741.03 | 2.28 | 1.75 | -1.47 | | | | | | | | | 700 | |
| 13735.0 | 90.40 | 293.56 | 8935.29 | 1543.16 | 1543.16 | -4769.54 | 3.37 | 1.77 | 2.87 | | | | | | | | | 700 | |
| 13767.0 | 91.02 | 293.44 | 8934.90 | 1555.92 | 1555.92 | -4798.88 | 1.97 | 1.94 | -0.37 | | | | | | | | | 700 | |
| 13799.0 | 91.30 | 293.50 | 8934.25 | 1568.66 | 1568.66 | -4828.23 | 0.89 | 0.88 | 0.19 | | | | | | | | | 700 | |
| 13820.0 | | | | | | | | | | 13820 | 13835 | 160G | | 16 | 250 | 2850 | 12 | 700 | |
| 13831.0 | 90.37 | 293.18 | 8933.78 | 1581.34 | 1581.34 | -4857.61 | 3.07 | -2.91 | -1.00 | | | | | | | | | 700 | |
| 13835.0 | | | | | | | | | | 13835 | 14068 | ROT | 70 | 9 | 250 | 2950 | 37 | 700 | |
| 13863.0 | 89.66 | 293.53 | 8933.77 | 1594.03 | 1594.03 | -4886.99 | 2.47 | -2.22 | 1.09 | | | | | | | | | 700 | |
| 13894.0 | 90.03 | 292.81 | 8933.86 | 1606.22 | 1606.22 | -4915.48 | 2.61 | 1.19 | -2.32 | | | | | | | | | 700 | |
| 13926.0 | 90.22 | 294.56 | 8933.79 | 1619.08 | 1619.08 | -4944.79 | 5.50 | 0.59 | 5.47 | | | | | | | | | 700 | |

| SURVEY | | | | | | | | | | STEERING | | | DRILLING PARAMETERS | | | | | |
|------------------------|---------------------|------------------|------------------------|--------------------------|-------------|-------------|-----------------|------------------------|-----------------------|--------------|------------|--------------------|---------------------|--------------|--------------------|----------------------|--------------|----------------|
| Measured Depth (ft) | Incl Angle (deg) | Azi Dir (deg) | Vertical Depth (ft) | Vertical Section (ft) | Coordinates | | DLS (°/100') | Build Rate (°/100') | Turn Rate (°/100') | Slide/Rotate | | Tool Face (deg) | RPM | WOB (klb) | Flow Rate (gpm) | Stand Pipe (psig) | ROP (fph) | Comment Run |
| | | | | | N/S (ft) | E/W (ft) | | | | From (ft) | To (ft) | | | | | | | |
| 13958.0 | 90.71 | 293.04 | 8933.53 | 1631.99 | 1631.99 | -4974.06 | 4.99 | 1.53 | -4.75 | | | | | | | | | 700 |
| 13990.0 | 91.51 | 292.48 | 8932.91 | 1644.37 | 1644.37 | -5003.57 | 3.05 | 2.50 | -1.75 | | | | | | | | | 700 |
| 14022.0 | 92.04 | 294.48 | 8931.92 | 1657.11 | 1657.11 | -5032.90 | 6.46 | 1.66 | 6.25 | | | | | | | | | 700 |
| 14053.0 | 92.66 | 292.99 | 8930.65 | 1669.58 | 1669.58 | -5061.26 | 5.20 | 2.00 | -4.81 | | | | | | | | | 700 |
| 14068.0 | | | | | | | | | | 14068 | 14095 | 180G | | 16 | 250 | 2850 | 15 | 700 |
| 14085.0 | 91.42 | 292.84 | 8929.51 | 1682.03 | 1682.03 | -5090.71 | 3.90 | -3.88 | -0.47 | | | | | | | | | 700 |
| 14095.0 | | | | | | | | | | 14095 | 14133 | ROT | 70 | 9 | 250 | 2950 | 25 | 700 |
| 14117.0 | 91.54 | 293.22 | 8928.68 | 1694.54 | 1694.54 | -5120.15 | 1.24 | 0.38 | 1.19 | | | | | | | | | 700 |
| 14133.0 | | | | | | | | | | 14133 | 14153 | 180G | | 16 | 250 | 2850 | 11 | 700 |
| 14148.0 | 90.19 | 292.99 | 8928.21 | 1706.71 | 1706.71 | -5148.66 | 4.42 | -4.35 | -0.74 | | | | | | | | | 700 |
| 14153.0 | | | | | | | | | | 14153 | 14257 | ROT | 70 | 9 | 250 | 2950 | 28 | 700 |
| 14180.0 | 90.15 | 294.81 | 8928.12 | 1719.67 | 1719.67 | -5177.91 | 5.69 | -0.13 | 5.69 | | | | | | | | | 700 |
| 14212.0 | 90.83 | 293.42 | 8927.84 | 1732.74 | 1732.74 | -5207.12 | 4.84 | 2.13 | -4.34 | | | | | | | | | 700 |
| 14244.0 | 91.20 | 293.71 | 8927.28 | 1745.54 | 1745.54 | -5236.45 | 1.47 | 1.16 | 0.91 | | | | | | | | | 700 |
| 14257.0 | | | | | | | | | | 14257 | 14287 | 180G | | 16 | 250 | 2850 | 20 | 700 |
| 14276.0 | 89.85 | 293.82 | 8926.98 | 1758.43 | 1758.43 | -5265.73 | 4.23 | -4.22 | 0.34 | | | | | | | | | 700 |
| 14287.0 | | | | | | | | | | 14287 | 14487 | ROT | 75 | 9 | 250 | 3000 | 50 | 700 |
| 14339.0 | 89.81 | 294.47 | 8927.17 | 1784.20 | 1784.20 | -5323.22 | 1.03 | -0.06 | 1.03 | | | | | | | | | 700 |
| 14434.0 | 92.29 | 294.12 | 8925.43 | 1823.28 | 1823.28 | -5409.78 | 2.64 | 2.61 | -0.37 | | | | | | | | | 700 |
| 14482.0 | 93.15 | 293.09 | 8923.15 | 1842.47 | 1842.47 | -5453.72 | 2.79 | 1.79 | -2.15 | | | | | | | | | 700 |
| 14487.0 | | | | | | | | | | 14487 | 14522 | -160G | | 16 | 250 | 2950 | | 700 |
| 14522.0 | | | | | | | | | | 14522 | 14547 | ROT | 75 | 9 | 250 | 2950 | 20 | 700 |
| 14529.0 | 90.96 | 293.13 | 8921.47 | 1860.91 | 1860.91 | -5496.92 | 4.66 | -4.66 | 0.09 | | | | | | | | | 700 |
| 14547.0 | | | | | | | | | | 14547 | 14572 | -160G | | 18 | 250 | 2900 | 17 | 700 |
| 14572.0 | | | | | | | | | | 14572 | 14717 | ROT | 75 | 9 | 250 | 3000 | | 700 |
| 14578.0 | 89.35 | 292.99 | 8921.33 | 1880.10 | 1880.10 | -5542.00 | 3.30 | -3.29 | -0.29 | | | | | | | | | 700 |
| 14624.0 | 89.88 | 292.37 | 8921.64 | 1897.84 | 1897.84 | -5584.44 | 1.77 | 1.15 | -1.35 | | | | | | | | | 700 |
| 14669.0 | 90.34 | 292.45 | 8921.56 | 1914.99 | 1914.99 | -5626.04 | 1.04 | 1.02 | 0.18 | | | | | | | | | 700 |
| 14717.0 | | | | | | | | | | 14717 | 14742 | -160G | | 18 | 250 | 2900 | 17 | 700 |
| 14720.0 | 90.37 | 291.91 | 8921.24 | 1934.25 | 1934.25 | -5673.27 | 1.06 | 0.06 | -1.06 | | | | | | | | | 700 |
| 14742.0 | | | | | | | | | | 14742 | 14907 | ROT | 75 | 9 | 250 | 3000 | 41 | 700 |
| 14765.0 | 89.26 | 292.35 | 8921.39 | 1951.20 | 1951.20 | -5714.95 | 2.65 | -2.47 | 0.98 | | | | | | | | | 700 |

| SURVEY | | | | | | | | | | STEERING | | | DRILLING PARAMETERS | | | | | |
|------------------------|---------------------|------------------|------------------------|--------------------------|-------------|-------------|-----------------|------------------------|-----------------------|--------------|------------|--------------------|---------------------|--------------|--------------------|----------------------|--------------|----------------|
| Measured Depth (ft) | Incl Angle (deg) | Azi Dir (deg) | Vertical Depth (ft) | Vertical Section (ft) | Coordinates | | DLS (°/100') | Build Rate (°/100') | Turn Rate (°/100') | Slide/Rotate | | Tool Face (deg) | RPM | WOB (klb) | Flow Rate (gpm) | Stand Pipe (psig) | ROP (fph) | Comment Run |
| | | | | | N/S (ft) | E/W (ft) | | | | From (ft) | To (ft) | | | | | | | |
| 14814.0 | 90.25 | 291.59 | 8921.60 | 1969.53 | 1969.53 | -5760.39 | 2.55 | 2.02 | -1.55 | | | | | | | | | 700 |
| 14859.0 | 91.11 | 291.19 | 8921.06 | 1985.94 | 1985.94 | -5802.29 | 2.11 | 1.91 | -0.89 | | | | | | | | | 700 |
| 14907.0 | | | | | | | | | | 14907 | 14937 | -160G | | 18 | 250 | 2900 | 17 | 700 |
| 14909.0 | 90.96 | 291.49 | 8920.16 | 2004.13 | 2004.13 | -5848.85 | 0.67 | -0.30 | 0.60 | | | | | | | | | 700 |
| 14937.0 | | | | | | | | | | 14937 | 15048 | ROT | 75 | 9 | 250 | 3000 | 41 | 700 |
| 14953.0 | 89.23 | 291.94 | 8920.09 | 2020.41 | 2020.41 | -5889.73 | 4.06 | -3.93 | 1.02 | | | | | | | | | 700 |
| 15005.0 | 91.76 | 292.75 | 8919.64 | 2040.18 | 2040.18 | -5937.82 | 5.11 | 4.87 | 1.56 | | | | | | | | | 700 |
| 15048.0 | | | | | | | | | | 15048 | 15083 | -160G | | 18 | 250 | 2900 | 17 | 700 |
| 15053.0 | 91.11 | 292.55 | 8918.43 | 2058.66 | 2058.66 | -5982.10 | 1.42 | -1.35 | -0.42 | | | | | | | | | 700 |
| 15083.0 | | | | | | | | | | 15083 | 15564 | ROT | 75 | 9 | 250 | 3000 | 41 | 700 |
| 15100.0 | 89.23 | 292.67 | 8918.29 | 2076.72 | 2076.72 | -6025.49 | 4.01 | -4.00 | 0.26 | | | | | | | | | 700 |
| 15149.0 | 90.49 | 294.28 | 8918.42 | 2096.24 | 2096.24 | -6070.43 | 4.17 | 2.57 | 3.29 | | | | | | | | | 700 |
| 15195.0 | 90.19 | 293.47 | 8918.14 | 2114.86 | 2114.86 | -6112.49 | 1.88 | -0.65 | -1.76 | | | | | | | | | 700 |
| 15243.0 | 90.37 | 292.66 | 8917.91 | 2133.67 | 2133.67 | -6156.65 | 1.73 | 0.38 | -1.69 | | | | | | | | | 700 |
| 15290.0 | 89.81 | 292.48 | 8917.83 | 2151.70 | 2151.70 | -6200.05 | 1.25 | -1.19 | -0.38 | | | | | | | | | 700 |
| 15339.0 | 91.05 | 293.76 | 8917.47 | 2170.94 | 2170.94 | -6245.11 | 3.64 | 2.53 | 2.61 | | | | | | | | | 700 |
| 15385.0 | 90.00 | 291.52 | 8917.04 | 2188.65 | 2188.65 | -6287.57 | 5.38 | -2.28 | -4.87 | | | | | | | | | 700 |
| 15434.0 | 90.52 | 291.70 | 8916.82 | 2206.69 | 2206.69 | -6333.12 | 1.12 | 1.06 | 0.37 | | | | | | | | | 700 |
| 15481.0 | 91.02 | 291.83 | 8916.19 | 2224.12 | 2224.12 | -6376.77 | 1.10 | 1.06 | 0.28 | | | | | | | | | 700 |
| 15521.0 | 90.03 | 293.07 | 8915.82 | 2239.39 | 2239.39 | -6413.73 | 3.97 | -2.47 | 3.10 | | | | | | | | | 700 |
| 15564.0 | 90.03 | 293.07 | 8915.80 | 2256.24 | 2256.24 | -6453.29 | 0.00 | 0.00 | 0.00 | | | | | | | | | 700 |

WARRANTY

HALLIBURTON ENERGY SERVICES, INC. WILL USE ITS BEST EFFORTS TO FURNISH CUSTOMERS WITH ACCURATE INFORMATION AND INTERPRETATIONS THAT ARE PART OF, AND INCIDENT TO, THE SERVICES PROVIDED. HOWEVER, HALLIBURTON ENERGY SERVICES, INC. CANNOT AND DOES NOT WARRANT THE ACCURACY OR CORRECTNESS OF SUCH INFORMATION AND INTERPRETATIONS. UNDER NO CIRCUMSTANCES SHOULD ANY SUCH INFORMATION OR INTERPRETATION BE RELIED UPON AS THE SOLE BASIS FOR ANY DRILLING, COMPLETION, PRODUCTION, OR FINANCIAL DECISION OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING VENTURE, DRILLING RIG OR ITS CREW OR ANY THIRD PARTY. THE CUSTOMER HAS FULL RESPONSIBILITY FOR ALL DRILLING, COMPLETION, AND PRODUCTION OPERATION. HALLIBURTON ENERGY SERVICES, INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE SERVICES RENDERED. IN NO EVENT WILL HALLIBURTON ENERGY SERVICES, INC. SERVICES BE LIABLE FOR FAILURE TO OBTAIN ANY PARTICULAR RESULTS OR FOR ANY DAMAGES, INCLUDING, BUT NOT LIMITED TO, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES, RESULTING FROM THE USE OF ANY INFORMATION OR INTERPRETATION PROVIDED BY HALLIBURTON ENERGY SERVICES, INC.

WELL INFORMATION

Created On : Sep 09 2014

| | |
|--|---|
| <h2 style="margin: 0;">BHA Tally</h2> <p style="margin: 5px 0;">Drillstring</p> <p style="margin: 5px 0;">IADC Rig BHA# 0100</p> <p style="margin: 5px 0;">Run# 0100</p> | <p>Customer : Marlin Energy Resources</p> <p>Well Name : Scamardo Grimes LP 1 H</p> <p>Job Number : HD-XX-0901529911</p> <p>Rig Name : Nabors M 12</p> <p>State / Province : Texas</p> <p>County : Grimes</p> |
|--|---|

COMPONENT DATA

| Item # | Description | Serial Number | OD (in) | ID (in) | Gauge (in) | Weight (lbpf) | Top Connection | Length (ft) | Cumulative Length (ft) |
|---------------|---------------------------------------|---------------|---------|---------|------------|---------------|----------------|-------------|------------------------|
| 1 | PDC | A185470 | 9.875 | 2.000 | | 250.31 | | 1.00 | 1.00 |
| 2 | 6 3/4" SperryDrill Lobe 6/7 - 5.0 stg | 11760428 | 6.750 | 4.498 | | 87.63 | B 4-1/2" IF | 29.15 | 30.15 |
| 3 | Float Sub | DR14292 | 6.750 | 2.750 | | 101.71 | B 4-1/2" IF | 3.12 | 33.27 |
| 4 | NMDC | 11564244 | 6.820 | 3.250 | | 96.22 | B 4-1/2" IF | 29.89 | 63.16 |
| 5 | HOS | 11633628 | 6.750 | 3.250 | | 93.68 | | 6.19 | 69.35 |
| 6 | Non Mag Flex Collar | 27760 | 6.820 | 3.250 | | 96.22 | B 4-1/2" IF | 31.10 | 100.45 |
| Total: | | | | | | | | 100.45 | |

BIT DATA

| | |
|---|--------------------------------------|
| Bit Number : 1 | Nozzles : 7x14 |
| Bit Size (in) : | TFA (in²) : 1.0523 |
| Manufacturer : NOV / ReedHycalog | Dull Grade In : |
| Model : | Dull Grade Out : |
| Serial Number : A185470 | |

MOTOR DATA

| | |
|---------------------------------------|--------------------------------------|
| Motor Number : 1 | Bend (deg) : 2.38 |
| OD (in) : 6.750 | Nozzles (32nd) : |
| Manufacturer : Sperry Drilling | Avg Diff Press (psig) : 75.00 |
| Model : SperryDrill | Cumul Cir Hrs : 42.50 |
| Serial Number : 11760428 | |

| | | | |
|----------------------------------|----------------------------------|---------------------------|--|
| BHA Weight (klb) | | (klb) | |
| in Air (Total) : 9.57 | in Mud (Total) : N/A | Mud Weight (ppg) : | |
| in Air (Below Jars) : N/A | in Mud (Below Jars) : N/A | | |

BHA WEIGHT CALCULATION MESSAGE

Jar not found. Could not calculate weight below jars. Mud Weight not valid could not calculate BHA weight in mud.

COMMENTS

Drill curve from KOP to Casing Point @ 9220 Due to lost circulation



BHA Schematic

Marlin Energy Resources

Scamardo Grimes LP 1 H

IADC Rig BHA # : 0100

Run # : 100

Drillstring : Drillstring

Created On : Sep 09 2014

| COMPONENT DATA | | |
|----------------|----------------|---------------------------------------|
| OD (in) | Length (ft) | Description |
| 9.875 | 1.00 | PDC |
| 6.750 | 29.15 | 6 3/4" SperryDrill Lobe 6/7 - 5.0 stg |
| 6.750 | 3.12 | Float Sub |
| 6.820 | 29.89 | NMDC |
| 6.750 | 6.19 | HOS |
| 6.820 | 31.10 | Non Mag Flex Collar |

*Pos: Measured as distance from bottom of the component.

Non Mag Flex Collar

HOS

NMDC

Float Sub

6 3/4" SperryDrill Lobe 6/7 - 5.0 stg

Error with picture PDC



WELL INFORMATION

Created On : Sep 09 2014

| | |
|---|---|
| <h2 style="margin: 0;">BHA Tally</h2> <p style="margin: 5px 0;">Drillstring</p> <p style="margin: 5px 0;">IADC Rig BHA#</p> <p style="margin: 5px 0;">Run# 0200</p> | <p>Customer : Marlin Energy Resources</p> <p>Well Name : Scamardo Grimes LP 1 H</p> <p>Job Number : HD-XX-0901529911</p> <p>Rig Name : Nabors M 12</p> <p>State / Province : Texas</p> <p>County : Grimes</p> |
|---|---|

COMPONENT DATA

| Item # | Description | Serial Number | OD (in) | ID (in) | Gauge (in) | Weight (lbpf) | Top Connection | Length (ft) | Cumulative Length (ft) |
|---------------|--------------------|---------------|---------|---------|------------|---------------|----------------|-------------|------------------------|
| 1 | PDC | 12085245 | 6.750 | 2.000 | | 111.25 | | 1.00 | 1.00 |
| 2 | 4 3/4" GABI Motor | 11634897 | 4.750 | 2.500 | | 50.00 | B 3-1/2" IF | 44.62 | 45.62 |
| 3 | 4 3/4" HCIM Collar | 90411152 | 4.750 | 1.250 | | 46.90 | B 3-1/2" IF | 16.01 | 61.63 |
| 4 | Hang-off Sub | 11375120 | 4.750 | 3.000 | | 36.30 | B 3-1/2" IF | 23.35 | 84.98 |
| 5 | NMDC | 11564158 | 4.750 | 2.500 | | 43.66 | B 3-1/2" IF | 29.70 | 114.68 |
| 6 | Float Sub | DR9492 | 4.750 | 2.500 | | 43.66 | B 3-1/2" IF | 3.81 | 118.49 |
| 7 | X-Over Sub | DR27739 | 5.000 | 2.500 | | 50.19 | B 3-1/2" IF | 3.60 | 122.09 |
| Total: | | | | | | | | 122.09 | |

BIT DATA

| | |
|---------------------------------|----------------------------|
| Bit Number : 2 | Nozzles : 3x12,4x14 |
| Bit Size (in) : | TFA (in2) : 0.9327 |
| Manufacturer : HDBS | Dull Grade In : |
| Model : MM74D | Dull Grade Out : |
| Serial Number : 12085245 | |

MOTOR DATA

| | |
|---------------------------------|---------------------------------------|
| Motor Number : 2 | Bend (deg) : 1.83 |
| OD (in) : 4.750 | Nozzles (32nd) : |
| Manufacturer : | Avg Diff Press (psig) : 100.00 |
| Model : | Cumul Cir Hrs : 61.50 |
| Serial Number : 11634897 | |

| | | | |
|----------------------------------|----------------------------------|---------------------------|--|
| BHA Weight (klb) | | (klb) | |
| in Air (Total) : 5.58 | in Mud (Total) : N/A | Mud Weight (ppg) : | |
| in Air (Below Jars) : N/A | in Mud (Below Jars) : N/A | | |

BHA WEIGHT CALCULATION MESSAGE

Jar not found. Could not calculate weight below jars. Mud Weight not valid could not calculate BHA weight in mud.

COMMENTS



COMMENTS

Finish Curve drill lateral to 10908 MD POOH as per marlin company REP to check bit thinking it was dulled out , bit had one broke cutter



BHA Schematic

Marlin Energy Resources

Scamardo Grimes LP 1 H

IADC Rig BHA # :

Run # : 200

Drillstring : Drillstring

Created On : Sep 10 2014

| COMPONENT DATA | | |
|----------------|----------------|--------------------|
| OD (in) | Length (ft) | Description |
| 6.750 | 1.00 | PDC |
| 4.750 | 44.62 | 4 3/4" GABI Motor |
| 4.750 | 16.01 | 4 3/4" HCIM Collar |
| 4.750 | 23.35 | Hang-off Sub |
| 4.750 | 29.70 | NMDC |
| 4.750 | 3.81 | Float Sub |
| 5.000 | 3.60 | X-Over Sub |

*Pos: Measured as distance from bottom of the component.

X-Over Sub

Float Sub

NMDC

Hang-off Sub

4 3/4" HCIM Collar

4 3/4" GABI Motor

Error with picture PDC



WELL INFORMATION

Created On : Sep 09 2014

BHA Tally

Drillstring
IADC Rig BHA#
Run# 0300

Customer : Marlin Energy Resources
Well Name : Scamardo Grimes LP 1 H
Job Number : HD-XX-0901529911
Rig Name : Nabors M 12
State / Province : Texas
County : Grimes

COMPONENT DATA

| Item # | Description | Serial Number | OD (in) | ID (in) | Gauge (in) | Weight (lbf) | Top Connection | Length (ft) | Cumulative Length (ft) |
|---------------|---------------------------------------|---------------|---------|---------|------------|--------------|----------------|----------------|------------------------|
| 1 | PDC | A143865 | 6.750 | 2.000 | | 111.25 | | 1.00 | 1.00 |
| 2 | 4 3/4" SperryDrill Lobe 7/8 - 2.9 stg | 11110065 | 4.750 | 2.901 | | 44.52 | B 3-1/2" IF | 28.60 | 29.60 |
| 3 | Integral Blade | DR11370 | 4.750 | 2.500 | 6.125 | 43.66 | B 3-1/2" IF | 4.68 | 34.28 |
| 4 | Float Sub | DR9492 | 4.750 | 2.500 | | 43.66 | B 3-1/2" IF | 3.81 | 38.09 |
| 5 | Hang-off Sub | 11375120 | 4.750 | 3.000 | | 36.30 | B 3-1/2" IF | 23.35 | 61.44 |
| 6 | NMDC | 11564158 | 4.750 | 3.000 | | 36.30 | B 3-1/2" IF | 29.70 | 91.14 |
| 7 | Downhole Screen | 38896 | 4.750 | 2.250 | | 46.84 | | 5.38 | 96.52 |
| 8 | X-Over Sub | DR27739 | 5.000 | 3.000 | | 42.83 | | 3.60 | 100.12 |
| 9 | 4" drill pipe 13 std | | 4.000 | 2.563 | | 16.81 | | 1237.44 | 1337.56 |
| 10 | X-Over Sub | DR7778 | 5.000 | 2.500 | | 50.19 | | 3.06 | 1340.62 |
| 11 | Agitator | | 4.750 | 2.250 | | 46.84 | | 9.80 | 1350.42 |
| 12 | Shock Sub | | 4.750 | 2.250 | | 46.84 | | 11.10 | 1361.52 |
| 13 | X-Over Sub | DR27738 | 5.000 | 2.500 | | 50.19 | | 3.50 | 1365.02 |
| 14 | 4" drill pipe 72 std | | 4.000 | 2.563 | | 16.81 | | 6858.35 | 8223.37 |
| 15 | Heavy Weight | | 4.000 | 2.750 | | 22.58 | | 920.51 | 9143.88 |
| Total: | | | | | | | | 9143.88 | |

BIT DATA

| | | | |
|---------------|---------------------|------------------------|-------------|
| Bit Number | : 3 | Nozzles | : 3x10,3x16 |
| Bit Size (in) | : | TFA (in ²) | : 0.8191 |
| Manufacturer | : NOV / ReedHycalog | Dull Grade In | : |
| Model | : DHS613D | Dull Grade Out | : |
| Serial Number | : A143865 | | |

MOTOR DATA

| | | | |
|---------------|-------------------|-----------------------|----------|
| Motor Number | : 3 | Bend (deg) | : 1.83 |
| OD (in) | : 4.750 | Nozzles (32nd) | : |
| Manufacturer | : Sperry Drilling | Avg Diff Press (psig) | : 200.00 |
| Model | : SperryDrill | Cumul Cir Hrs | : 36.75 |
| Serial Number | : 11110065 | | |



| BHA Weight | (klb) | (klb) | | | |
|---------------------|--------|---------------------|-------|------------|---------|
| in Air (Total) | : 4.09 | in Mud (Total) | : N/A | Mud Weight | (ppg) : |
| in Air (Below Jars) | : N/A | in Mud (Below Jars) | : N/A | | |

BHA WEIGHT CALCULATION MESSAGE

Jar not found. Could not calculate weight below jars. Mud Weight not valid could not calculate BHA weight in mud.

COMMENTS

POOH to pick up Gabi



BHA Schematic

Marlin Energy Resources
Scamardo Grimes LP 1 H

IADC Rig BHA # :

Run # : 300

Drillstring : Drillstring

Created On : Sep 09 2014

| COMPONENT DATA | | |
|----------------|-------------|---------------------------------------|
| OD (in) | Length (ft) | Description |
| 6.750 | 1.00 | PDC |
| 4.750 | 28.60 | 4 3/4" SperryDrill Lobe 7/8 - 2.9 stg |
| 4.750 | 4.68 | Integral Blade |
| 4.750 | 3.81 | Float Sub |
| 4.750 | 23.35 | Hang-off Sub |
| 4.750 | 29.70 | NMDC |
| 4.750 | 5.38 | Downhole Screen |
| 5.000 | 3.60 | X-Over Sub |
| 4.000 | 1237.44 | 4" drill pipe 13 std |
| 5.000 | 3.06 | X-Over Sub |
| 4.750 | 9.80 | Agitator |
| 4.750 | 11.10 | Shock Sub |
| 5.000 | 3.50 | X-Over Sub |
| 4.000 | 6858.35 | 4" drill pipe 72 std |
| 4.000 | 920.51 | Heavy Weight |

*Pos: Measured as distance from bottom of the component.

X-Over Sub

Downhole Screen

NMDC

Hang-off Sub

Float Sub

Integral Blade

4 3/4" SperryDrill Lobe 7/8 - 2.9 stg

Error with picture PDC



WELL INFORMATION

Created On : Sep 10 2014

BHA Tally

Drillstring
IADC Rig BHA# 0400
Run# 0400

Customer : Marlin Energy Resources
Well Name : Scamardo Grimes LP 1 H
Job Number : HD-XX-0901529911
Rig Name : Nabors M 12
State / Province : Texas
County : Grimes

COMPONENT DATA

| Item # | Description | Serial Number | OD (in) | ID (in) | Gauge (in) | Weight (lbpf) | Top Connection | Length (ft) | Cumulative Length (ft) |
|---------------|----------------------|---------------|---------|---------|------------|---------------|----------------|-------------|------------------------|
| 1 | PDC | A156402 | 6.750 | 2.000 | | 111.25 | | 1.00 | 1.00 |
| 2 | Mud Motor | DD060 | 5.000 | 2.000 | | 56.21 | B 3-1/2" IF | 28.10 | 29.10 |
| 3 | Float Sub | DR9492 | 4.750 | 2.500 | | 43.66 | B 3-1/2" IF | 3.81 | 32.91 |
| 4 | Hang-off Sub | 11375120 | 4.750 | 3.000 | | 36.30 | B 3-1/2" IF | 23.35 | 56.26 |
| 5 | NMDC | 1156158 | 4.750 | 3.000 | | 36.30 | B 3-1/2" IF | 29.70 | 85.96 |
| 6 | Down Hole Screen | 38896 | 4.750 | 3.000 | | 36.30 | B 3-1/2" IF | 5.38 | 91.34 |
| 7 | X-Over Sub | DR27739 | 5.000 | 3.000 | | 42.83 | | 3.60 | 94.94 |
| 8 | 4" Drill pipe 13 std | | 4.000 | 3.240 | | 17.55 | | 1237.44 | 1332.38 |
| 9 | X-Over Sub | DR7778 | 5.000 | 2.500 | | 50.19 | | 3.06 | 1335.44 |
| 10 | Agitator | | 4.750 | 2.250 | | 46.84 | B 3-1/2" IF | 9.80 | 1345.24 |
| 11 | Shock Sub | | 4.750 | 2.250 | | 46.84 | B 3-1/2" IF | 11.10 | 1356.34 |
| 12 | X-Over Sub | DR27738 | 5.000 | 2.500 | | 50.19 | | 3.50 | 1359.84 |
| 13 | 4" drill pipe 72 std | | 4.000 | 3.240 | | 17.55 | | 6858.35 | 8218.19 |
| 14 | 4" HWDP | | 4.000 | 2.563 | | 29.70 | | 920.51 | 9138.70 |
| Total: | | | | | | | | 9138.7 | |

BIT DATA

| | | | |
|---------------|---------------------|------------------------|-------------|
| Bit Number | : 4 | Nozzles | : 2x16,2x18 |
| Bit Size (in) | : | TFA (in ²) | : 0.8897 |
| Manufacturer | : NOV / ReedHycalog | Dull Grade In | : |
| Model | : STFX711D | Dull Grade Out | : |
| Serial Number | : A156402 | | |

MOTOR DATA

| | | | |
|---------------|---------|-----------------------|---------|
| Motor Number | : 5 | Bend (deg) | : 2.38 |
| OD (in) | : 5.000 | Nozzles (32nd) | : |
| Manufacturer | : | Avg Diff Press (psig) | : 0.00 |
| Model | : | Cumul Cir Hrs | : 26.25 |
| Serial Number | : DD060 | | |



BHA Schematic

Marlin Energy Resources
 Scamardo Grimes LP 1 H
 IADC Rig BHA # : 0400
 Run # : 400
 Drillstring : Drillstring

Created On : Sep 10 2014

| COMPONENT DATA | | |
|----------------|-------------|----------------------|
| OD (in) | Length (ft) | Description |
| 6.750 | 1.00 | PDC |
| 5.000 | 28.10 | Mud Motor |
| 4.750 | 3.81 | Float Sub |
| 4.750 | 23.35 | Hang-off Sub |
| 4.750 | 29.70 | NMDC |
| 4.750 | 5.38 | Down Hole Screen |
| 5.000 | 3.60 | X-Over Sub |
| 4.000 | 1237.44 | 4" Drill pipe 13 std |
| 5.000 | 3.06 | X-Over Sub |
| 4.750 | 9.80 | Agitator |
| 4.750 | 11.10 | Shock Sub |
| 5.000 | 3.50 | X-Over Sub |
| 4.000 | 6858.35 | 4" drill pipe 72 std |
| 4.000 | 920.51 | 4" HWDP |

*Pos: Measured as distance from bottom of the component.

X-Over Sub

Down Hole Screen

NMDC

Hang-off Sub

Float Sub

Mud Motor

Error with picture PDC



WELL INFORMATION

Created On : Sep 09 2014

| | |
|--|---|
| <p>BHA Tally</p> <p>Drillstring</p> <p>IADC Rig BHA#</p> <p>Run# 0500</p> | <p>Customer : Marlin Energy Resources</p> <p>Well Name : Scamardo Grimes LP 1 H</p> <p>Job Number : HD-XX-0901529911</p> <p>Rig Name : Nabors M 12</p> <p>State / Province : Texas</p> <p>County : Grimes</p> |
|--|---|

COMPONENT DATA

| Item # | Description | Serial Number | OD (in) | ID (in) | Gauge (in) | Weight (lbpf) | Top Connection | Length (ft) | Cumulative Length (ft) |
|---------------|----------------------|---------------|---------|---------|------------|---------------|----------------|-------------|------------------------|
| 1 | PDC | A168898 | 6.750 | 2.000 | | 111.25 | | 1.00 | 1.00 |
| 2 | 4 3/4" GABI Motor | 11630571 | 4.750 | 2.500 | | 50.00 | B 3-1/2" IF | 42.97 | 43.97 |
| 3 | 4 3/4" HCIM Collar | 90411153 | 4.750 | 1.250 | | 46.90 | B 3-1/2" IF | 16.05 | 60.02 |
| 4 | Hang-off Sub | 11415766 | 4.750 | 2.250 | | 46.84 | B 3-1/2" IF | 22.86 | 82.88 |
| 5 | NMDC | 1156158 | 4.750 | 2.500 | | 43.66 | B 3-1/2" IF | 29.70 | 112.58 |
| 6 | Float Sub | DR9492 | 4.750 | 2.500 | | 43.66 | B 3-1/2" IF | 3.81 | 116.39 |
| 7 | Down Hole Screen | 38896 | 4.750 | 2.500 | | 43.66 | B 3-1/2" IF | 5.38 | 121.77 |
| 8 | X-Over Sub | DR27739 | 5.000 | 2.750 | | 46.67 | | 3.60 | 125.37 |
| 9 | 4" Drill Pipe 13 std | | 4.000 | 2.563 | | 16.81 | | 1237.44 | 1362.81 |
| 10 | X-Over Sub | DR7778 | 5.000 | 2.500 | | 50.19 | | 3.06 | 1365.87 |
| 11 | Agitator | | 4.750 | 2.000 | | 49.69 | | 11.15 | 1377.02 |
| 12 | Shock Sub | | 4.750 | 2.500 | | 43.66 | | 11.23 | 1388.25 |
| 13 | X-Over Sub | DR27738 | 5.000 | 2.500 | | 50.19 | | 3.50 | 1391.75 |
| 14 | 4" Drill pipe 72 STD | | 4.000 | 2.563 | | 16.81 | | 6858.35 | 8250.10 |
| 15 | Heavy Weight | | 4.000 | 2.250 | | 29.28 | | 920.51 | 9170.61 |
| Total: | | | | | | | | 9170.61 | |

BIT DATA

| | |
|---|----------------------------|
| Bit Number : 5 | Nozzles : 3x12,3x15 |
| Bit Size (in) : | TFA (in2) : 0.8491 |
| Manufacturer : NOV / ReedHycalog | Dull Grade In : |
| Model : SKH613M | Dull Grade Out : |
| Serial Number : A168898 | |

MOTOR DATA

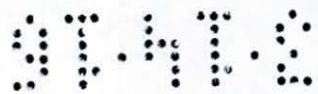
| | |
|---------------------------------|---------------------------------------|
| Motor Number : 5 | Bend (deg) : 1.50 |
| OD (in) : 4.750 | Nozzles (32nd) : |
| Manufacturer : Sperry | Avg Diff Press (psig) : 247.62 |
| Model : Gabi | Cumul Cir Hrs : 67.50 |
| Serial Number : 11630571 | |



| BHA Weight | (klb) | | (klb) | | | Mud Weight | (ppg) | : |
|---------------------|-------|------|---------------------|---|-----|------------|-------|---|
| in Air (Total) | : | 5.95 | in Mud (Total) | : | N/A | | | |
| in Air (Below Jars) | : | N/A | in Mud (Below Jars) | : | N/A | | | |

BHA WEIGHT CALCULATION MESSAGE
 Jar not found. Could not calculate weight below jars. Mud Weight not valid could not calculate BHA weight in mud.

COMMENTS
 while sliding motor pressured up 350 psi , pick up off bottom pressure did not dropp off rotated slowed pumps down pressure increase 10 spm @ 300 psi



BHA Schematic

Marlin Energy Resources
Scamardo Grimes LP 1 H

IADC Rig BHA # :

Run # : 500

Drillstring : Drillstring

Created On : Sep 09 2014

COMPONENT DATA

| OD (in) | Length (ft) | Description |
|---------|-------------|----------------------|
| 6.750 | 1.00 | PDC |
| 4.750 | 42.97 | 4 3/4" GABI Motor |
| 4.750 | 16.05 | 4 3/4" HCIM Collar |
| 4.750 | 22.86 | Hang-off Sub |
| 4.750 | 29.70 | NMDC |
| 4.750 | 3.81 | Float Sub |
| 4.750 | 5.38 | Down Hole Screen |
| 5.000 | 3.60 | X-Over Sub |
| 4.000 | 1237.44 | 4" Drill Pipe 13 std |
| 5.000 | 3.06 | X-Over Sub |
| 4.750 | 11.15 | Agitator |
| 4.750 | 11.23 | Shock Sub |
| 5.000 | 3.50 | X-Over Sub |
| 4.000 | 6858.35 | 4" Drill pipe 72 STD |
| 4.000 | 920.51 | Heavy Weight |

*Pos: Measured as distance from bottom of the component.

X-Over Sub



Down Hole Screen



Float Sub

NMDC

Hang-off Sub

4 3/4" HCIM Collar

4 3/4" GABI Motor

Error with picture PDC



WELL INFORMATION

Created On : Sep 09 2014

BHA Tally

Drillstring

IADC Rig BHA#

Run# 0600

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

COMPONENT DATA

| Item # | Description | Serial Number | OD (in) | ID (in) | Gauge (in) | Weight (lbpf) | Top Connection | Length (ft) | Cumulative Length (ft) |
|---------------|-------------------------|---------------|---------|---------|------------|---------------|----------------|-------------|------------------------|
| 1 | PDC | A168898 | 6.750 | 2.000 | | 111.25 | B 3-1/2" REG | 1.00 | 1.00 |
| 2 | 4 3/4" GABI Motor | 11066019 | 4.750 | 2.500 | | 50.00 | B 3-1/2" IF | 43.02 | 44.02 |
| 3 | 4 3/4" HCIM Collar | 90411153 | 4.750 | 1.250 | | 46.90 | B NC 38 | 16.05 | 60.07 |
| 4 | Hang-off Sub | 11415766 | 4.750 | 2.250 | | 46.84 | B 3-1/2" IF | 22.86 | 82.93 |
| 5 | NMDC | 1156158 | 4.750 | 2.500 | | 43.66 | B 3-1/2" IF | 29.70 | 112.63 |
| 6 | Float Sub | DR9492 | 4.750 | 2.500 | | 43.66 | B 3-1/2" IF | 3.81 | 116.44 |
| 7 | Down Hole Screen | 38896 | 4.750 | 2.500 | | 43.66 | B 3-1/2" IF | 5.38 | 121.82 |
| 8 | X-Over Sub | DR27739 | 5.000 | 2.750 | | 46.67 | B 3-1/2" FH | 3.60 | 125.42 |
| 9 | 4" Drill Pipe 12 Std | | 4.000 | 3.240 | | 16.80 | | 1237.44 | 1362.86 |
| 10 | X-Over Sub | DR7778 | 5.000 | 2.500 | | 50.19 | B 3-1/2" IF | 3.06 | 1365.92 |
| 11 | Agitator | | 4.750 | 2.000 | | 49.69 | B 3-1/2" IF | 11.15 | 1377.07 |
| 12 | Shock Sub | | 4.750 | 2.500 | | 43.66 | B 3-1/2" IF | 11.23 | 1388.30 |
| 13 | X-Over Sub | DR27738 | 5.000 | 2.500 | | 50.19 | B 3-1/2" FH | 3.50 | 1391.80 |
| 14 | 4 " Drill Pipe 72 Std | | 4.000 | 3.240 | | 16.80 | | 6858.35 | 8250.15 |
| 15 | Heavy Weight Drill Pipe | | 4.000 | 2.563 | | 29.70 | | 920.51 | 9170.66 |
| Total: | | | | | | | | 9170.66 | |

BIT DATA

Bit Number :
 Bit Size (in) :
 Manufacturer :
 Model :
 Serial Number : A168898

Nozzles : 3x12,3x15
 TFA (in2) : 0.8491
 Dull Grade In :
 Dull Grade Out :

MOTOR DATA

Motor Number :
 OD (in) : 4.750
 Manufacturer :
 Model :
 Serial Number : 11066019

Bend (deg) : 1.75
 Nozzles (32nd) :
 Avg Diff Press (psig) : 200.00
 Cumul Cir Hrs : 8.50



| BHA Weight | (klb) | (klb) | | |
|---------------------|--------|---------------------|--------|-------------------------|
| in Air (Total) | : 5.95 | in Mud (Total) | : 5.09 | Mud Weight (ppg) : 9.50 |
| in Air (Below Jars) | : N/A | in Mud (Below Jars) | : N/A | |

BHA WEIGHT CALCULATION MESSAGE

Jar not found. Could not calculate weight below jars.

COMMENTS

Drilling lateral sliding at 30 Ft/hr Rotating @ 65 Ft/HR Rop slowed down to 5 ft/hr while rotating Marlin decide to POOh to check bit



BHA Schematic

Marlin Energy Resources
 Scamardo Grimes LP 1 H

IADC Rig BHA # :

Run # : 600

Drillstring : Drillstring

Created On : Sep 09 2014

COMPONENT DATA

| OD (in) | Length (ft) | Description |
|---------|-------------|-------------------------|
| 6.750 | 1.00 | PDC |
| 4.750 | 43.02 | 4 3/4" GABI Motor |
| 4.750 | 16.05 | 4 3/4" HCIM Collar |
| 4.750 | 22.86 | Hang-off Sub |
| 4.750 | 29.70 | NMDC |
| 4.750 | 3.81 | Float Sub |
| 4.750 | 5.38 | Down Hole Screen |
| 5.000 | 3.60 | X-Over Sub |
| 4.000 | 1237.44 | 4" Drill Pipe 12 Std |
| 5.000 | 3.06 | X-Over Sub |
| 4.750 | 11.15 | Agitator |
| 4.750 | 11.23 | Shock Sub |
| 5.000 | 3.50 | X-Over Sub |
| 4.000 | 6858.35 | 4 " Drill Pipe 72 Std |
| 4.000 | 920.51 | Heavy Weight Drill Pipe |

*Pos: Measured as distance from bottom of the component.

X-Over Sub



Down Hole Screen

Float Sub

NMDC

Hang-off Sub

4 3/4" HCIM Collar

4 3/4" GABI Motor

Error with picture PDC



WELL INFORMATION

Created On : Sep 09 2014

BHA Tally

Drillstring

IADC Rig BHA# 0700

Run# 0700

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

COMPONENT DATA

| Item # | Description | Serial Number | OD (in) | ID (in) | Gauge (in) | Weight (lbpf) | Top Connection | Length (ft) | Cumulative Length (ft) |
|---------------|----------------------|---------------|---------|---------|------------|---------------|----------------|-------------|------------------------|
| 1 | PDC | 12327906 | 6.750 | 2.000 | 6.750 | 111.25 | P 3-1/2" REG | 1.00 | 1.00 |
| 2 | 5" hunting motor | DD174 | 4.750 | 2.901 | | 44.52 | B 3-1/2" IF | 28.18 | 29.18 |
| 3 | Integral Blade | SD17504 | 4.750 | 2.500 | 5.875 | 43.66 | B 3-1/2" IF | 4.68 | 33.86 |
| 4 | Float Sub | DR9492 | 4.750 | 2.500 | | 43.66 | B 3-1/2" IF | 3.81 | 37.67 |
| 5 | Hang-off Sub | 11375120 | 4.750 | 3.000 | | 36.30 | B 3-1/2" IF | 23.35 | 61.02 |
| 6 | NMDC | 11564158 | 4.750 | 3.000 | | 36.30 | B 3-1/2" IF | 29.70 | 90.72 |
| 7 | Downhole Screen | 38896 | 4.750 | 2.250 | | 46.84 | | 5.38 | 96.10 |
| 8 | X-Over Sub | DR27739 | 5.000 | 3.000 | | 42.83 | | 3.60 | 99.70 |
| 9 | 4" drill pipe 13 std | | 4.000 | 2.563 | | 16.81 | | 1237.44 | 1337.14 |
| 10 | X-Over Sub | DR7778 | 5.000 | 2.500 | | 50.19 | | 3.06 | 1340.20 |
| 11 | Agitator | | 4.750 | 2.250 | | 46.84 | | 9.80 | 1350.00 |
| 12 | Shock Sub | | 4.750 | 2.250 | | 46.84 | | 11.10 | 1361.10 |
| 13 | X-Over Sub | DR27738 | 5.000 | 2.500 | | 50.19 | | 3.50 | 1364.60 |
| 14 | 4" drill pipe 72 std | | 4.000 | 2.563 | | 16.81 | | 6858.35 | 8222.95 |
| 15 | Heavy Weight | | 4.000 | 2.750 | | 22.58 | | 920.51 | 9143.46 |
| Total: | | | | | | | | 9143.46 | |

BIT DATA

Bit Number : 4
 Bit Size (in) : 6.750
 Manufacturer : HDBS
 Model : MM74D
 Serial Number : 12327906
 Nozzles : 3x12,4x14
 TFA (in2) : 0.9327
 Dull Grade In :
 Dull Grade Out :

MOTOR DATA

Motor Number : 7
 OD (in) : 4.750
 Manufacturer : Hunting
 Model : I
 Serial Number : DD174
 Bend (deg) : 1.50
 Nozzles (32nd) :
 Avg Diff Press (psig) : 207.14
 Cumul Cir Hrs : 74.25



| BHA Weight | (klb) | | (klb) | | | |
|---------------------|--------|---------------------|-------|------------|-------|---|
| in Air (Total) | : 4.07 | in Mud (Total) | : N/A | Mud Weight | (ppg) | : |
| in Air (Below Jars) | : N/A | in Mud (Below Jars) | : N/A | | | |

BHA WEIGHT CALCULATION MESSAGE

Jar not found. Could not calculate weight below jars. Mud Weight not valid could not calculate BHA weight in mud.

COMMENTS

Drill lateral to TD well @ 15564 MD



BHA Schematic

Marlin Energy Resources

Scamardo Grimes LP 1 H

IADC Rig BHA # : 0700

Run # : 700

Drillstring : Drillstring

Created On : Sep 09 2014

| COMPONENT DATA | | |
|----------------|-------------|--------------------------|
| OD (in) | Length (ft) | Description |
| 6.750 | 1.00 | PDC (Gauge: 6.750 in) |
| 4.750 | 28.18 | 5" hunting motor |
| 4.750 | 4.68 | Integral Blade |
| 4.750 | 3.81 | Float Sub |
| 4.750 | 23.35 | Hang-off Sub |
| 4.750 | 29.70 | NMDC |
| 4.750 | 5.38 | Downhole Screen |
| 5.000 | 3.60 | X-Over Sub |
| 4.000 | 1237.44 | 4" drill pipe 13 std |
| 5.000 | 3.06 | X-Over Sub |
| 4.750 | 9.80 | Agitator |
| 4.750 | 11.10 | Shock Sub |
| 5.000 | 3.50 | X-Over Sub |
| 4.000 | 6858.35 | 4" drill pipe 72 std |
| 4.000 | 920.51 | Heavy Weight |

*Pos: Measured as distance from bottom of the component.

X-Over Sub

Downhole Screen

NMDC

Hang-off Sub

Float Sub

Integral Blade

5" hunting motor

PDC



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 1

Date : 08/07/2014

| | | |
|---------------------------|------------------------|-------------------------|
| Total Depth (ft) : 0.00 | Casing Depth (ft) : | Customer Reps : |
| Depth Last 24 (ft) : 0.00 | Casing Diameter (in) : | Customer Reps : |
| Hole Size (in) : | Casing ID (in) : | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

LAST SURVEY

LAST FORMATION TOP

| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
|------------|-----------|-----------|----------|------------|--------------|----------------|-------------|--------------|
| | | | | | | | | |

BHA SUMMARY

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels | 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|------|--------|--------|--------|--------|--------|
| | | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|------------------|---|
| 00:00 | 00:15 | 0.25 | | | 99 - No Activity | Arrive on location @ 2300 hrs @ 8-6-14 waiting on tools |
| 00:15 | 14:45 | 14.50 | | | 99 - No Activity | Tools arrive on location |
| 14:45 | 00:00 | 9.25 | | | 99 - No Activity | waiting on MWD |

COMMENTS

Daily Cost 17195.00
 Total Cost 26,507.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 2 Date : 08/08/2014

| | | |
|-----------------------------|------------------------|-------------------------|
| Total Depth (ft) : 8548.00 | Casing Depth (ft) : | Customer Reps : |
| Depth Last 24 (ft) : 248.00 | Casing Diameter (in) : | Customer Reps : |
| Hole Size (in) : 9.875 | Casing ID (in) : | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

LAST SURVEY

LAST FORMATION TOP

| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
|------------|-----------|-----------|----------|------------|--------------|----------------|-------------|--------------|
| 8545.00 | 22.32 | 292.75 | 8535.90 | 51.32 | 0.00 | | | |

BHA SUMMARY

Well: H901529911 Run: 0100 - 100.45 ft;PDC, 6 3/4" SperryDrill Lobe 6/7 - 5.0 stg, Float Sub, NMDC, HOS

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels | 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|------|--------|--------|--------|--------|--------|
| | | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|---------------------------------------|
| 00:00 | 04:30 | 4.50 | | | 99 - No Activity | waiting on MWD |
| 04:30 | 07:30 | 3.00 | | 100 | 6c - PU/LD BHA | Test same |
| 07:30 | 12:00 | 4.50 | 8300.00 | 100 | 6a - Trip In | |
| 12:00 | 17:15 | 5.25 | 8413.00 | 100 | 2b - Drilling - Sliding | Slide F 8300 T 8413 @ 289 MTF |
| 17:15 | 17:45 | 0.50 | 8425.00 | 100 | 2a - Drilling | Rotate F 8413 T 8425 |
| 17:45 | 18:30 | 0.75 | 8439.00 | 100 | 2b - Drilling - Sliding | Slide F 8425 T 8439 @ HS (GRAVITY TF) |
| 18:30 | 18:45 | 0.25 | 8444.00 | 100 | 2a - Drilling | ROT F 8439 T 8444 |
| 18:45 | 20:15 | 1.50 | 8471.00 | 100 | 2b - Drilling - Sliding | SLD F 8444 T 8471 @ 10L |
| 20:15 | 20:30 | 0.25 | 8471.00 | 100 | 10 - Deviation Survey | CONN/SVY @ 8418 |
| 20:30 | 21:00 | 0.50 | 8478.00 | 100 | 2a - Drilling | ROT F 8471 T 8478 |

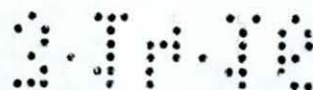


TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|------------------------------|
| 21:00 | 22:15 | 1.25 | 8503.00 | 100 | 2b - Drilling - Sliding | SLD F 8478 T 8503 @ HS |
| 22:15 | 22:30 | 0.25 | 8503.00 | 100 | 10 - Deviation Survey | CHANGE DATA RATE ON MWD TOOL |
| 22:30 | 22:45 | 0.25 | 8518.00 | 100 | 2a - Drilling | ROT 8503 T 8518 |
| 22:45 | 23:30 | 0.75 | 8534.00 | 100 | 2b - Drilling - Sliding | SLD F 8518 T 8534 @ 15L |
| 23:30 | 23:45 | 0.25 | 8544.00 | 100 | 2a - Drilling | ROT F 8534 T 8544 |
| 23:45 | 00:00 | 0.25 | 8548.00 | 100 | 2b - Drilling - Sliding | SLD F 8544 T 8548 @ 20L |

COMMENTS

Daily Cost 10,715.00
 Total Cost 37,222.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

| CURRENT STATUS Report # 3 | | Date : 08/09/2014 | |
|-----------------------------|------------------------|-------------------------|--|
| Total Depth (ft) : 9087.00 | Casing Depth (ft) : | Customer Reps : | |
| Depth Last 24 (ft) : 539.00 | Casing Diameter (in) : | Customer Reps : | |
| Hole Size (in) : 9.875 | Casing ID (in) : | SDS Reps : Casey Cooper | |
| | | SDS Reps : | |
| | | SDS Reps : | |

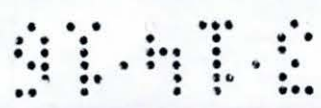
| LAST SURVEY | | | | | | LAST FORMATION TOP | | |
|-------------|-----------|-----------|----------|------------|--------------|--------------------|-------------|--------------|
| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
| 9085.00 | 62.05 | 289.59 | 8927.93 | 386.37 | 0.00 | | | |

BHA SUMMARY
 Well: H901529911 Run: 0100 - 100.45 ft;PDC, 6 3/4" SperryDrill Lobe 6/7 - 5.0 stg, Float Sub, NMDC, HOS

| MUD DATA | | | | | | | | | | |
|----------|--------------|-----------|---------|-----------|------|--------|--------|--------|--------|--------|
| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels | 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
| | | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

| TIME BREAKDOWN | | | | | | |
|----------------|-------|-------|----------|-----|-------------------------|----------------------------|
| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
| 00:00 | 00:45 | 0.75 | 8566.00 | 100 | 2b - Drilling - Sliding | SLD F 8548 T 8566 @ 20L |
| 00:45 | 01:00 | 0.25 | 8566.00 | 100 | 10 - Deviation Survey | CONN/SVY @ 8513 |
| 01:00 | 01:15 | 0.25 | 8578.00 | 100 | 2a - Drilling | ROT F 8566 T 8578 |
| 01:15 | 02:00 | 0.75 | 8598.00 | 100 | 2b - Drilling - Sliding | SLD F8578 T 8598 @ 20L |
| 02:00 | 02:15 | 0.25 | 8613.00 | 100 | 2a - Drilling | ROT F 8598 T 8613 |
| 02:15 | 03:15 | 1.00 | 8630.00 | 100 | 2b - Drilling - Sliding | SLD F 8613 T 8630 @ 30L |
| 03:15 | 04:00 | 0.75 | 8661.00 | 100 | 2a - Drilling | ROT F 8630 T 8661 |
| 04:00 | 04:15 | 0.25 | 8661.00 | 100 | 10 - Deviation Survey | CONN/SVY @ 8608 |
| 04:15 | 04:30 | 0.25 | 8671.00 | 100 | 2a - Drilling | ROT F 8661 T 8671 |
| 04:30 | 06:00 | 1.50 | 8693.00 | 100 | 2b - Drilling - Sliding | Slide F 8671 T 8693 @ 20 L |



TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|----------------------------|
| 06:00 | 06:30 | 0.50 | 8703.00 | 100 | 2a - Drilling | Rot F 8693 T 8703 |
| 06:30 | 08:30 | 2.00 | 8725.00 | 100 | 2b - Drilling - Sliding | slide F 8703 T 8725 @ 20 L |
| 08:30 | 09:00 | 0.50 | 8740.00 | 100 | 2a - Drilling | Rot f 8725 T 8740 |
| 09:00 | 10:30 | 1.50 | 8755.00 | 100 | 2b - Drilling - Sliding | Slide F 8740 T 8755 @ 20 L |
| 10:30 | 11:00 | 0.50 | 8770.00 | 100 | 2a - Drilling | Rot F 8755 T 8770 |
| 11:00 | 12:00 | 1.00 | 8788.00 | 100 | 2b - Drilling - Sliding | Slide F 8770 T 8788 @ 20 L |
| 12:00 | 12:30 | 0.50 | 8803.00 | 100 | 2a - Drilling | Rot F 8788 T 8803 |
| 12:30 | 14:00 | 1.50 | 8820.00 | 100 | 2b - Drilling - Sliding | Slide F 8803 T 8820 @ 20 L |
| 14:00 | 14:30 | 0.50 | 8835.00 | 100 | 2a - Drilling | Rot F 8820 T 8835 |
| 14:30 | 15:30 | 1.00 | 8850.00 | 100 | 2b - Drilling - Sliding | Slide F 8835 T 8850 @ HS |
| 15:30 | 16:00 | 0.50 | 8865.00 | 100 | 2a - Drilling | Rot F 8850 T 8865 |
| 16:00 | 17:15 | 1.25 | 8883.00 | 100 | 2b - Drilling - Sliding | Slide F 8865 T 8883 @ 20 R |
| 17:15 | 18:00 | 0.75 | 8899.00 | 100 | 2a - Drilling | ROT F 8883 T 8899 |
| 18:00 | 18:45 | 0.75 | 8915.00 | 100 | 2b - Drilling - Sliding | SLD F 8899 T 8915 @ 10R |
| 18:45 | 19:00 | 0.25 | 8930.00 | 100 | 2a - Drilling | ROT F 8915 T 8930 |
| 19:00 | 20:00 | 1.00 | 8947.00 | 100 | 2b - Drilling - Sliding | SLD F 8930 T 8947 @ 10R |
| 20:00 | 20:15 | 0.25 | 8957.00 | 100 | 2a - Drilling | ROT F 8947 T 8957 |
| 20:15 | 21:00 | 0.75 | 8979.00 | 100 | 2b - Drilling - Sliding | SLD 8957 T 8979 @ 10R |
| 21:00 | 21:30 | 0.50 | 8994.00 | 100 | 2a - Drilling | ROT F 8979 T 8994 |
| 21:30 | 22:00 | 0.50 | 9011.00 | 100 | 2b - Drilling - Sliding | SLD F 8994 T 9011 @ HS |
| 22:00 | 23:00 | 1.00 | 9050.00 | 100 | 2a - Drilling | ROT F 9011 T 9050 |
| 23:00 | 23:30 | 0.50 | 9075.00 | 100 | 2b - Drilling - Sliding | SLD F 9050 T 9075 @ HS |
| 23:30 | 00:00 | 0.50 | 9087.00 | 100 | 2b - Drilling - Sliding | SLD F 9075 T 9087 @HS |

COMMENTS

Daily Cost 10,715.00
 Total Cost 47,937.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 4 **Date :** 08/10/2014

| | | |
|-----------------------------|------------------------|-------------------------|
| Total Depth (ft) : 9220.00 | Casing Depth (ft) : | Customer Reps : |
| Depth Last 24 (ft) : 133.00 | Casing Diameter (in) : | Customer Reps : |
| Hole Size (in) : 9.875 | Casing ID (in) : | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

| LAST SURVEY | | | | | | LAST FORMATION TOP | | |
|-------------|-----------|-----------|----------|------------|--------------|--------------------|-------------|--------------|
| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
| 9149.00 | 69.61 | 289.59 | 8954.29 | 444.40 | 0.00 | | | |

BHA SUMMARY
 Well: H901529911 Run: 0100 - 100.45 ft;PDC, 6 3/4" SperryDrill Lobe 6/7 - 5.0 stg, Float Sub, NMDC, HOS

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|----------------------------|--------------------------------------|
| 00:00 | 07:30 | 7.50 | 9220.00 | 100 | 2b - Drilling - Sliding | CASING POINT due to lost circulation |
| 07:30 | 17:30 | 10.00 | 9220.00 | 100 | 6b - Trip Out | |
| 17:30 | 18:00 | 0.50 | 9220.00 | 100 | 6e - Trip Out (at Surface) | |
| 18:00 | 18:15 | 0.25 | 9220.00 | 100 | 6c - PU/LD BHA | |
| 18:15 | 00:00 | 5.75 | 9220.00 | 100 | 12 - Run Casing / Cement | |

COMMENTS
 Daily Cost 10,715.00
 Total Cost 58,652.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 5 Date : 08/11/2014

| | | |
|----------------------------|------------------------|-------------------------|
| Total Depth (ft) : 9220.00 | Casing Depth (ft) : | Customer Reps : |
| Depth Last 24 (ft) : 0.00 | Casing Diameter (in) : | Customer Reps : |
| Hole Size (in) : 9.875 | Casing ID (in) : | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

| LAST SURVEY | | | | | | LAST FORMATION TOP | | |
|-------------|-----------|-----------|----------|------------|--------------|--------------------|-------------|--------------|
| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
| 9149.00 | 69.61 | 289.59 | 8954.29 | 444.40 | 0.00 | | | |

BHA SUMMARY
 Well: H901529911 Run: 0100 - 100.45 ft;PDC, 6 3/4" SperryDrill Lobe 6/7 - 5.0 stg, Float Sub, NMDC, HOS

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels | 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|------|--------|--------|--------|--------|--------|
| | | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|--------------------------|----------------------|
| 00:00 | 00:00 | 24.00 | 9220.00 | 100 | 12 - Run Casing / Cement | |

COMMENTS
 Daily Cost 7,065.00
 Total Cost 65,717.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 6 **Date :** 08/12/2014

| | | |
|----------------------------|------------------------|-------------------------|
| Total Depth (ft) : 9220.00 | Casing Depth (ft) : | Customer Reps : |
| Depth Last 24 (ft) : 0.00 | Casing Diameter (in) : | Customer Reps : |
| Hole Size (in) : 9.875 | Casing ID (in) : | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

LAST SURVEY

LAST FORMATION TOP

| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
|------------|-----------|-----------|----------|------------|--------------|----------------|-------------|--------------|
| 9149.00 | 69.61 | 289.59 | 8954.29 | 444.40 | 0.00 | | | |

BHA SUMMARY

Well: H901529911 Run: 0100 - 100.45 ft;PDC, 6 3/4" SperryDrill Lobe 6/7 - 5.0 stg, Float Sub, NMDC, HOS

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|--------------------|---|
| 00:00 | 00:00 | 24.00 | 9220.00 | 100 | 90 - Miscellaneous | lay down drill pipe / test bop/ strap 4 inch drill pipe |

COMMENTS

Daily Cost 7,065.00
 Total Cost 72,782.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 7

Date : 08/13/2014

| | | |
|----------------------------|------------------------------|-------------------------|
| Total Depth (ft) : 9220.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 0.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

LAST SURVEY

LAST FORMATION TOP

| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
|------------|-----------|-----------|----------|------------|--------------|----------------|-------------|--------------|
| 9149.00 | 69.61 | 289.59 | 8954.29 | 444.40 | 0.00 | | | |

BHA SUMMARY

Well: H901529911 Run: 0100 - 100.45 ft;PDC, 6 3/4" SperryDrill Lobe 6/7 - 5.0 stg, Float Sub, NMDC, HOS
 Well: H901529911 Run: 0200 - 122.09 ft;PDC, 4 3/4" GABI Motor, 4 3/4" HCIM Collar, Hang-off Sub, NMDC, Float Sub, X-Over Sub

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

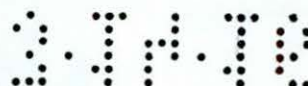
| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|------------------|----------------------|
| 00:00 | 14:00 | 14.00 | 9220.00 | 100 | 99 - No Activity | |
| 14:00 | 18:00 | 4.00 | 9220.00 | 200 | 6c - PU/LD BHA | pick up BHA # 2 |
| 18:00 | 00:00 | 6.00 | 9220.00 | 200 | 6a - Trip In | Picking Up DP |

COMMENTS

Daily Cost 20,145.00
 Total Cost 92,927.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
Well Name : Scamardo Grimes LP 1 H
Job Number : HD-XX-0901529911
Rig Name : Nabors M 12
State / Province : Texas
County : Grimes

CURRENT STATUS Report # 8 **Date :** 08/14/2014

| | | |
|------------------------------------|-------------------------------------|--------------------------------|
| Total Depth (ft) : 9623.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 403.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

LAST SURVEY

LAST FORMATION TOP

| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
|------------|-----------|-----------|----------|------------|--------------|----------------|-------------|--------------|
| 9547.00 | 91.24 | 289.36 | 8978.09 | 838.27 | 0.00 | | | |

BHA SUMMARY

Well: H901529911 Run: 0200 - 122.09 ft;PDC, 4 3/4" GABI Motor, 4 3/4" HCIM Collar, Hang-off Sub, NMDC, Float Sub, X-Over Sub

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-----------------------------|----------------------------|
| 00:00 | 04:00 | 4.00 | 9220.00 | 200 | 6a - Trip In | Slip & Cut Drill Line |
| 04:00 | 05:00 | 1.00 | 9220.00 | 200 | 21 - Drill Cement | |
| 05:00 | 06:00 | 1.00 | 9220.00 | 200 | 5 - Circulate | |
| 06:00 | 07:00 | 1.00 | 9220.00 | 200 | 16a - FIT | |
| 07:00 | 07:30 | 0.50 | 9220.00 | 200 | 21 - Drill Cement | |
| 07:30 | 13:00 | 5.50 | 9299.00 | 200 | 2b - Drilling - Sliding | Slide F 9220 T 9299 @ 20 L |
| 13:00 | 13:30 | 0.50 | 9299.00 | 200 | 20b - Misc Directional Work | |
| 13:30 | 15:30 | 2.00 | 9329.00 | 200 | 2b - Drilling - Sliding | Slide F 9299 T 9329 @ 20 L |
| 15:30 | 16:30 | 1.00 | 9329.00 | 200 | 7 - Service Rig | |



TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-----------------------------|----------------------------|
| 16:30 | 17:00 | 0.50 | 9329.00 | 200 | 20b - Misc Directional Work | |
| 17:00 | 18:00 | 1.00 | 9343.00 | 200 | 2b - Drilling - Sliding | Slide F 9329 T 9343 @ 20 L |
| 18:00 | 21:00 | 3.00 | 9520.00 | 200 | 2a - Drilling | ROT F 9343 T 9520 |
| 21:00 | 22:00 | 1.00 | 9540.00 | 200 | 2b - Drilling - Sliding | SLD F 9520 T 9540 @ 180 |
| 22:00 | 23:15 | 1.25 | 9615.00 | 200 | 2a - Drilling | ROT F 9540 T 9615 |
| 23:15 | 00:00 | 0.75 | 9623.00 | 200 | 2b - Drilling - Sliding | SLD F 9615 T 9623 @ 145 L |

COMMENTS

Daily Cost 16,015.00
 Total Cost 108,942.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 9 Date : 08/15/2014

| | | |
|-----------------------------|------------------------------|-------------------------|
| Total Depth (ft) : 10441.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 818.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

| LAST SURVEY | | | | | | LAST FORMATION TOP | | |
|-------------|-----------|-----------|----------|------------|--------------|--------------------|-------------|--------------|
| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
| 10405.00 | 91.24 | 286.03 | 8967.18 | 1693.81 | 0.00 | | | |

BHA SUMMARY
 Well: H901529911 Run: 0200 - 122.09 ft;PDC, 4 3/4" GABI Motor, 4 3/4" HCIM Collar, Hang-off Sub, NMDC, Float Sub, X-Over Sub

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels | 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|------|--------|--------|--------|--------|--------|
| | | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|------------------------------|
| 00:00 | 00:45 | 0.75 | 9635.00 | 200 | 2b - Drilling - Sliding | SLD F 9623 T 9635 @ 145 L |
| 00:45 | 04:00 | 3.25 | 9805.00 | 200 | 2a - Drilling | ROT F 9635 T 9805 |
| 04:00 | 05:00 | 1.00 | 9820.00 | 200 | 2b - Drilling - Sliding | SLD F 9805 T 9820 @ HS |
| 05:00 | 06:30 | 1.50 | 9910.00 | 200 | 2a - Drilling | |
| 06:30 | 07:30 | 1.00 | 9930.00 | 200 | 2b - Drilling - Sliding | Slide F 9910 T 9930 @ 35 R |
| 07:30 | 09:00 | 1.50 | 10005.00 | 200 | 2a - Drilling | |
| 09:00 | 11:00 | 2.00 | 10040.00 | 200 | 2b - Drilling - Sliding | Slide F 10005 T 10040 @ 35 R |
| 11:00 | 12:00 | 1.00 | 10100.00 | 200 | 2a - Drilling | |
| 12:00 | 14:30 | 2.50 | 10130.00 | 200 | 2b - Drilling - Sliding | Slide F 10100 T 10130 @ 35 R |
| 14:30 | 15:30 | 1.00 | 10195.00 | 200 | 2a - Drilling | |



TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|------------------------------|
| 15:30 | 17:00 | 1.50 | 10222.00 | 200 | 2b - Drilling - Sliding | Slide F 10195 T 10222 @ 35 R |
| 17:00 | 18:30 | 1.50 | 10292.00 | 200 | 2a - Drilling | ROT F 10222 T 10292 |
| 18:30 | 20:15 | 1.75 | 10347.00 | 200 | 2b - Drilling - Sliding | SLD F 10292 T 10337 @ 30 R |
| 20:15 | 21:15 | 1.00 | 10387.00 | 200 | 2a - Drilling | ROT F 10337 T 10387 |
| 21:15 | 23:45 | 2.50 | 10417.00 | 200 | 2b - Drilling - Sliding | SLD F 10387 T 10417 @ 150 R |
| 23:45 | 00:00 | 0.25 | 10441.00 | 200 | 2a - Drilling | ROT F 10417 T 10441 |

COMMENTS

Daily Cost 16,015.00
 Total Cost 124,957.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 10 **Date :** 08/16/2014

| | | |
|-----------------------------|------------------------------|-------------------------|
| Total Depth (ft) : 10908.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 467.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

LAST SURVEY

LAST FORMATION TOP

| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
|------------|-----------|-----------|----------|------------|--------------|----------------|-------------|--------------|
| 10786.00 | 91.60 | 285.89 | 8955.37 | 2073.13 | 0.00 | | | |

BHA SUMMARY

Well: H901529911 Run: 0200 - 122.09 ft;PDC, 4 3/4" GABI Motor, 4 3/4" HCIM Collar, Hang-off Sub, NMDC, Float Sub, X-Over Sub

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|-----------------------------|
| 00:00 | 01:15 | 1.25 | 10483.00 | 200 | 2a - Drilling | |
| 01:15 | 02:00 | 0.75 | 10498.00 | 200 | 2b - Drilling - Sliding | SLD F 10483 T 10498 @ 35 R |
| 02:00 | 04:30 | 2.50 | 10601.00 | 200 | 2a - Drilling | |
| 04:30 | 06:15 | 1.75 | 10632.00 | 200 | 2b - Drilling - Sliding | SLD F 10601 T 10632 @ 95 R |
| 06:15 | 07:30 | 1.25 | 10670.00 | 200 | 2a - Drilling | |
| 07:30 | 10:00 | 2.50 | 10722.00 | 200 | 2b - Drilling - Sliding | SLD F 10670 T 10722 @ 90 R |
| 10:00 | 11:30 | 1.50 | 10756.00 | 200 | 2a - Drilling | |
| 11:30 | 13:30 | 2.00 | 10778.00 | 200 | 2b - Drilling - Sliding | SLD F 10756 T 10778 |
| 13:30 | 16:30 | 3.00 | 10865.00 | 200 | 2a - Drilling | |
| 16:30 | 19:30 | 3.00 | 10908.00 | 200 | 2b - Drilling - Sliding | SLD F 10865 T 10908 @ 150 R |

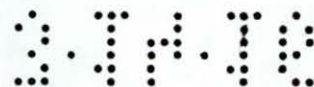


TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|---------------|----------------------|
| 19:30 | 20:30 | 1.00 | 10908.00 | 200 | 5 - Circulate | |
| 20:30 | 00:00 | 3.50 | 10908.00 | 200 | 6b - Trip Out | |

COMMENTS

Daily Cost 16,015.00
 Total Cost 140,972.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 11 **Date :** 08/17/2014

| | | |
|-----------------------------|------------------------------|-------------------------|
| Total Depth (ft) : 11379.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 471.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

| LAST SURVEY | | | | | | LAST FORMATION TOP | | |
|-------------|-----------|-----------|----------|------------|--------------|--------------------|-------------|--------------|
| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
| 10786.00 | 91.60 | 285.89 | 8955.37 | 2073.13 | 0.00 | | | |

BHA SUMMARY
 Well: H901529911 Run: 0200 - 122.09 ft;PDC, 4 3/4" GABI Motor, 4 3/4" HCIM Collar, Hang-off Sub, NMDC, Float Sub, X-Over Sub
 Well: H901529911 Run: 0300 - 9143.88 ft;PDC, 4 3/4" SperryDrill Lobe 7/8 - 2.9 stg, Integral Blade, Float Sub, Hang-off Sub, NMDC, Downhole Screen, X-Over Sub, 4" drill pipe 13 std , X-Over Sub, Agitator, Shock Sub, X-Over Sub, 4" drill pipe 72 std, Heavy Weight

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|----------------------------|--------------------------------|
| 00:00 | 00:45 | 0.75 | 10908.00 | 200 | 6e - Trip Out (at Surface) | |
| 00:45 | 03:00 | 2.25 | 10908.00 | 200 | 6c - PU/LD BHA | Lay Down BHA #2 & Downlaod MWD |
| 03:00 | 05:00 | 2.00 | 10908.00 | 300 | 6c - PU/LD BHA | Pick Up BHA #3 |
| 05:00 | 12:30 | 7.50 | 10908.00 | 300 | 6a - Trip In | |
| 12:30 | 15:15 | 2.75 | 11023.00 | 300 | 2a - Drilling | |
| 15:15 | 16:30 | 1.25 | 11051.00 | 300 | 2b - Drilling - Sliding | Slide F 11023 T 11051 @ 40 R |
| 16:30 | 18:45 | 2.25 | 11156.00 | 300 | 2a - Drilling | |
| 18:45 | 19:45 | 1.00 | 11188.00 | 300 | 2b - Drilling - Sliding | Slide F 11156 T 11188 @ 35 R |



TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|------------------------------|
| 19:45 | 21:30 | 1.75 | 11283.00 | 300 | 2a - Drilling | |
| 21:30 | 22:30 | 1.00 | 11318.00 | 300 | 2b - Drilling - Sliding | Slide F 11283 T 11318 @ 35 R |
| 22:30 | 23:30 | 1.00 | 11371.00 | 300 | 2a - Drilling | |
| 23:30 | 00:00 | 0.50 | 11379.00 | 300 | 2b - Drilling - Sliding | Slide F 11371 T 11379 @ 10 R |

COMMENTS

Daily Cost 24,295.00
 Total Cost 165,267.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 12 Date : 08/18/2014

| | | |
|-----------------------------|------------------------------|-------------------------|
| Total Depth (ft) : 12055.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 676.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

LAST SURVEY

LAST FORMATION TOP

| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
|------------|-----------|-----------|----------|------------|--------------|----------------|-------------|--------------|
| 10786.00 | 91.60 | 285.89 | 8955.37 | 2073.13 | 0.00 | | | |

BHA SUMMARY

Well: H901529911 Run: 0300 - 9143.88 ft;PDC, 4 3/4" SperryDrill Lobe 7/8 - 2.9 stg, Integral Blade, Float Sub, Hang-off Sub, NMDC, Downhole Screen, X-Over Sub, 4" drill pipe 13 std , X-Over Sub, Agitator, Shock Sub, X-Over Sub, 4" drill pipe 72 std, Heavy Weight

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|------------------------------|
| 00:00 | 00:30 | 0.50 | 11401.00 | 300 | 2b - Drilling - Sliding | Slide F 11379 T 11401 @ 10 R |
| 00:30 | 02:30 | 2.00 | 11465.00 | 300 | 2a - Drilling | |
| 02:30 | 03:45 | 1.25 | 11505.00 | 300 | 2b - Drilling - Sliding | Slide F 11465 T 11505 @ 10 R |
| 03:45 | 04:15 | 0.50 | 11537.00 | 300 | 2a - Drilling | |
| 04:15 | 05:45 | 1.50 | 11577.00 | 300 | 2b - Drilling - Sliding | Slide F 11537 T 11577 @ 20 R |
| 05:45 | 06:00 | 0.25 | 11577.00 | 300 | 10 - Deviation Survey | |
| 06:00 | 07:30 | 1.50 | 11607.00 | 300 | 2b - Drilling - Sliding | Slide F 11577 T 11607 30 R |
| 07:30 | 08:00 | 0.50 | 11621.00 | 300 | 2a - Drilling | |
| 08:00 | 09:00 | 1.00 | 11621.00 | 300 | 10 - Deviation Survey | |

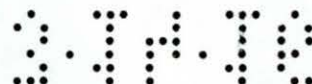


TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|--|
| 09:00 | 10:00 | 1.00 | 11641.00 | 300 | 2b - Drilling - Sliding | Slide F 11621 T 11641 @ 40 R |
| 10:00 | 11:00 | 1.00 | 11641.00 | 300 | 10 - Deviation Survey | |
| 11:00 | 12:00 | 1.00 | 11717.00 | 300 | 2a - Drilling | |
| 12:00 | 13:00 | 1.00 | 11742.00 | 300 | 2b - Drilling - Sliding | Slide F 11717 T 11742 @ 40 R |
| 13:00 | 14:00 | 1.00 | 11785.00 | 300 | 2a - Drilling | |
| 14:00 | 15:00 | 1.00 | 11800.00 | 300 | 2b - Drilling - Sliding | Slide F 11785 T 11800 @ 40 R |
| 15:00 | 15:30 | 0.50 | 11845.00 | 300 | 2a - Drilling | |
| 15:30 | 16:30 | 1.00 | 11845.00 | 300 | 7 - Service Rig | |
| 16:30 | 17:15 | 0.75 | 11876.00 | 300 | 2b - Drilling - Sliding | Slide F 11845 T 11876 @ 45 R |
| 17:15 | 18:45 | 1.50 | 11966.00 | 300 | 2a - Drilling | |
| 18:45 | 19:45 | 1.00 | 11986.00 | 300 | 2b - Drilling - Sliding | Slide F 11966 T 11986 @ 30 R |
| 19:45 | 20:15 | 0.50 | 12013.00 | 300 | 2a - Drilling | |
| 20:15 | 22:15 | 2.00 | 12055.00 | 300 | 2b - Drilling - Sliding | Slide F 12013 T 12055 @ 20 R |
| 22:15 | 23:45 | 1.50 | 12055.00 | 300 | 22 - Hole Problems | Packed Off, Working Pipe |
| 23:45 | 00:00 | 0.25 | 12055.00 | 300 | 3a - Reaming | Back Reaming to Shoe to Clean & Condition Hole |

COMMENTS

Daily Cost 10,915.00
 Total Cost 176,18200



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 13 Date : 08/19/2014

| | | |
|-----------------------------|------------------------------|-------------------------|
| Total Depth (ft) : 12055.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 0.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

LAST SURVEY

LAST FORMATION TOP

| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
|------------|-----------|-----------|----------|------------|--------------|----------------|-------------|--------------|
| 10786.00 | 91.60 | 285.89 | 8955.37 | 2073.13 | 0.00 | | | |

BHA SUMMARY

Well: H901529911 Run: 0300 - 9143.88 ft;PDC, 4 3/4" SperryDrill Lobe 7/8 - 2.9 stg, Integral Blade, Float Sub, Hang-off Sub, NMDC, Downhole Screen, X-Over Sub, 4" drill pipe 13 std , X-Over Sub, Agitator, Shock Sub, X-Over Sub, 4" drill pipe 72 std, Heavy Weight

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|--------------------|--|
| 00:00 | 00:00 | 24.00 | 12055.00 | 300 | 22 - Hole Problems | Work Pipe & Condition Hole, Weight Up, Log Gamma |

COMMENTS

Daily Cost 10,915.00
 Total Cost 187,097.00



WELL INFORMATION Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
Well Name : Scamardo Grimes LP 1 H
Job Number : HD-XX-0901529911
Rig Name : Nabors M 12
State / Province : Texas
County : Grimes

CURRENT STATUS Report # 14 **Date :** 08/20/2014

| | | |
|---|--|--|
| Total Depth (ft) : 10703.00 Depth Last 24 (ft) : 2.00 Hole Size (in) : 0.000 | Casing Depth (ft) : 9220.00 Casing Diameter (in) : 7.625 Casing ID (in) : 6.765 | Customer Reps : Customer Reps : SDS Reps : Casey Cooper SDS Reps : SDS Reps : |
|---|--|--|

| LAST SURVEY | | | | | | LAST FORMATION TOP | | |
|-------------|-----------|-----------|----------|------------|--------------|--------------------|-------------|--------------|
| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
| 10691.00 | 91.61 | 283.22 | 8958.04 | 1978.38 | 0.00 | | | |

BHA SUMMARY

Well: H901529911 Run: 0300 - 9143.88 ft;PDC, 4 3/4" SperryDrill Lobe 7/8 - 2.9 stg, Integral Blade, Float Sub, Hang-off Sub, NMDC, Downhole Screen, X-Over Sub, 4" drill pipe 13 std , X-Over Sub, Agitator, Shock Sub, X-Over Sub, 4" drill pipe 72 std, Heavy Weight

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

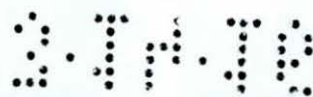
| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|--|
| 00:00 | 06:00 | 6.00 | 12055.00 | 300 | 5 - Circulate | |
| 06:00 | 12:00 | 6.00 | 10701.00 | 400 | 20f - Sidetrack | Sidetrack [H901529911_ST01] |
| 12:00 | 20:30 | 8.50 | 10701.00 | 400 | 90 - Miscellaneous | Pick Up BHA for sidetrack Trip in hole |
| 20:30 | 20:45 | 0.25 | 10701.00 | 400 | 10 - Deviation Survey | |
| 20:45 | 22:15 | 1.50 | 10701.00 | 400 | 20a - Motor Orientation | Build trough @ 160 L GTF @ 10701 MD |
| 22:15 | 00:00 | 1.75 | 10703.00 | 400 | 2c - Time Drilling | @ 160 L GTF @ 5 min inch |

COMMENTS

Daily Cost 10,915.00
 Total Cost 198,012.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 15 Date : 08/21/2014

| | | |
|-----------------------------|------------------------------|-------------------------|
| Total Depth (ft) : 10771.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 68.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

LAST SURVEY

LAST FORMATION TOP

| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
|------------|-----------|-----------|----------|------------|--------------|----------------|-------------|--------------|
| 10756.00 | 87.10 | 280.59 | 8960.48 | 2042.79 | 0.00 | | | |

BHA SUMMARY

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels | 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|------|--------|--------|--------|--------|--------|
| | | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|-----------------------|
| 00:00 | 20:30 | 20.50 | 10731.00 | 400 | 2c - Time Drilling | Tima Drilling T 10731 |
| 20:30 | 22:00 | 1.50 | 10756.00 | 400 | 2a - Drilling | |
| 22:00 | 23:00 | 1.00 | 10771.00 | 400 | 2b - Drilling - Sliding | |
| 23:00 | 00:00 | 1.00 | 10771.00 | 400 | 5 - Circulate | |

COMMENTS

Daily Cost 10,915.00
 Total Cost 198,012.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
Well Name : Scamardo Grimes LP 1 H
Job Number : HD-XX-0901529911
Rig Name : Nabors M 12
State / Province : Texas
County : Grimes

CURRENT STATUS Report # 16 **Date :** 08/22/2014

| | | |
|------------------------------------|-------------------------------------|--------------------------------|
| Total Depth (ft) : 10960.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 189.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

LAST SURVEY

LAST FORMATION TOP

| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
|------------|-----------|-----------|----------|------------|--------------|----------------|-------------|--------------|
| 10914.00 | 89.32 | 280.54 | 8965.45 | 2199.42 | 0.00 | | | |

BHA SUMMARY

Well: H901529911_ST01 Run: 0500 - 9170.61 ft;PDC, 4 3/4" GABI Motor, 4 3/4" HCIM Collar, Hang-off Sub, NMDC, Float Sub, Down Hole Screen, X-Over Sub, 4" Drill Pipe 13 std, X-Over Sub, Agitator, Shock Sub, X-Over Sub, 4" Drill pipe 72 STD, Heavy Weight

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|----------------------------|------------------------------|
| 00:00 | 00:30 | 0.50 | 10771.00 | 400 | 5 - Circulate | |
| 00:30 | 05:45 | 5.25 | 10771.00 | 400 | 6b - Trip Out | |
| 05:45 | 06:00 | 0.25 | 10771.00 | 400 | 6e - Trip Out (at Surface) | |
| 06:00 | 07:45 | 1.75 | 10771.00 | 400 | 6c - PU/LD BHA | |
| 07:45 | 10:30 | 2.75 | 10771.00 | 500 | 6c - PU/LD BHA | |
| 10:30 | 16:30 | 6.00 | 10771.00 | 500 | 6a - Trip In | |
| 16:30 | 18:30 | 2.00 | 10771.00 | 500 | 20a - Motor Orientation | |
| 18:30 | 20:00 | 1.50 | 10790.00 | 500 | 2b - Drilling - Sliding | Slide F 10771 T 10790 @ 80 L |
| 20:00 | 21:00 | 1.00 | 10821.00 | 500 | 2a - Drilling | |



TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|------------------------------|
| 21:00 | 22:15 | 1.25 | 10856.00 | 500 | 2b - Drilling - Sliding | Slide F 10821 T 10856 @ 10 L |
| 22:15 | 00:00 | 1.75 | 10960.00 | 500 | 2a - Drilling | |

COMMENTS

Daily Cost 23,215.00
 Total Cost 221,227.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 17 **Date :** 08/23/2014

| | | |
|-----------------------------|------------------------------|-------------------------|
| Total Depth (ft) : 11935.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 975.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

LAST SURVEY

LAST FORMATION TOP

| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
|------------|-----------|-----------|----------|------------|--------------|----------------|-------------|--------------|
| 11868.00 | 90.49 | 290.84 | 8957.70 | 3151.48 | 0.00 | | | |

BHA SUMMARY

Well: H901529911_ST01 Run: 0500 - 9170.61 ft;PDC, 4 3/4" GABI Motor, 4 3/4" HCIM Collar, Hang-off Sub, NMDC, Float Sub, Down Hole Screen, X-Over Sub, 4" Drill Pipe 13 std, X-Over Sub, Agitator, Shock Sub, X-Over Sub, 4" Drill pipe 72 STD, Heavy Weight

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

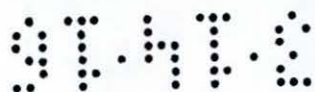
TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|-------------------------------|
| 00:00 | 00:45 | 0.75 | 10988.00 | 500 | 2a - Drilling | |
| 00:45 | 01:30 | 0.75 | 11018.00 | 500 | 2b - Drilling - Sliding | Slide F 10988 T 11018 @ 10 R |
| 01:30 | 02:45 | 1.25 | 11086.00 | 500 | 2a - Drilling | |
| 02:45 | 04:45 | 2.00 | 11158.00 | 500 | 2b - Drilling - Sliding | Slide F 11086 T 11158 @ 170 R |
| 04:45 | 07:00 | 2.25 | 11266.00 | 500 | 2a - Drilling | |
| 07:00 | 10:30 | 3.50 | 11332.00 | 500 | 2b - Drilling - Sliding | Slide F 11266 T 11332 |
| 10:30 | 00:00 | 13.50 | 11935.00 | 500 | 2a - Drilling | |



COMMENTS

Daily Cost 16,215.00
Total Cost 237,442.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 18 **Date :** 08/24/2014

| | | |
|-----------------------------|------------------------------|-------------------------|
| Total Depth (ft) : 12855.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 920.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

| LAST SURVEY | | | | | | LAST FORMATION TOP | | |
|-------------|-----------|-----------|----------|------------|--------------|--------------------|-------------|--------------|
| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
| 12818.00 | 90.18 | 281.74 | 8946.52 | 4100.16 | 0.00 | | | |

BHA SUMMARY
 Well: H901529911_ST01 Run: 0500 - 9170.61 ft;PDC, 4 3/4" GABI Motor, 4 3/4" HCIM Collar, Hang-off Sub, NMDC, Float Sub, Down Hole Screen, X-Over Sub, 4" Drill Pipe 13 std, X-Over Sub, Agitator, Shock Sub, X-Over Sub, 4" Drill pipe 72 STD, Heavy Weight

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

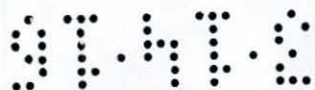
TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|-------------------------------|
| 00:00 | 07:00 | 7.00 | 12254.00 | 500 | 2a - Drilling | |
| 07:00 | 08:45 | 1.75 | 12274.00 | 500 | 2b - Drilling - Sliding | Slide F 12254 T 12274 @ 165 R |
| 08:45 | 09:45 | 1.00 | 12315.00 | 500 | 2a - Drilling | |
| 09:45 | 10:45 | 1.00 | 12333.00 | 500 | 2b - Drilling - Sliding | |
| 10:45 | 17:00 | 6.25 | 12633.00 | 500 | 2a - Drilling | |
| 17:00 | 19:00 | 2.00 | 12694.00 | 500 | 2b - Drilling - Sliding | Slide F 12633 T 12694 @ 90 R |
| 19:00 | 21:45 | 2.75 | 12799.00 | 500 | 2a - Drilling | |
| 21:45 | 00:00 | 2.25 | 12855.00 | 500 | 2b - Drilling - Sliding | Slide F 12799 T 12855 @ 90 R |



COMMENTS

Daily Cost 16,215.00
Total Cost 253,657.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 19 **Date :** 08/25/2014

| | | |
|-----------------------------|------------------------------|-------------------------|
| Total Depth (ft) : 13162.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 307.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

LAST SURVEY

LAST FORMATION TOP

| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
|------------|-----------|-----------|----------|------------|--------------|----------------|-------------|--------------|
| 13008.00 | 90.55 | 285.23 | 8944.68 | 4289.64 | 0.00 | | | |

BHA SUMMARY

Well: H901529911_ST01 Run: 0500 - 9170.61 ft;PDC, 4 3/4" GABI Motor, 4 3/4" HCIM Collar, Hang-off Sub, NMDC, Float Sub, Down Hole Screen, X-Over Sub, 4" Drill Pipe 13 std, X-Over Sub, Agitator, Shock Sub, X-Over Sub, 4" Drill pipe 72 STD, Heavy Weight

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|------------------------------|
| 00:00 | 01:00 | 1.00 | 12884.00 | 500 | 2b - Drilling - Sliding | Slide F 12855 T 12884 @ 90 R |
| 01:00 | 01:30 | 0.50 | 12894.00 | 500 | 2a - Drilling | |
| 01:30 | 04:00 | 2.50 | 12894.00 | 500 | 8 - Rig Repair | |
| 04:00 | 10:00 | 6.00 | 13032.00 | 500 | 2b - Drilling - Sliding | |
| 10:00 | 11:00 | 1.00 | 13074.00 | 500 | 2a - Drilling | |
| 11:00 | 16:00 | 5.00 | 13162.00 | 500 | 2b - Drilling - Sliding | |
| 16:00 | 16:30 | 0.50 | 13162.00 | 500 | 5 - Circulate | Motor pressured up |
| 16:30 | 00:00 | 7.50 | 13162.00 | 500 | 6b - Trip Out | |



COMMENTS

Daily Cost 16,215.00
Total Cost 269,872.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 20

Date : 08/26/2014

| | | |
|-----------------------------|------------------------------|-------------------------|
| Total Depth (ft) : 13162.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 0.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : |
| | | SDS Reps : |

LAST SURVEY

LAST FORMATION TOP

| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
|------------|-----------|-----------|----------|------------|--------------|----------------|-------------|--------------|
| 13008.00 | 90.55 | 285.23 | 8944.68 | 4289.64 | 0.00 | | | |

BHA SUMMARY

Well: H901529911_ST01 Run: 0500 - 9170.61 ft;PDC, 4 3/4" GABI Motor, 4 3/4" HCIM Collar, Hang-off Sub, NMDC, Float Sub, Down Hole Screen, X-Over Sub, 4" Drill Pipe 13 std, X-Over Sub, Agitator, Shock Sub, X-Over Sub, 4" Drill pipe 72 STD, Heavy Weight
 Well: H901529911_ST01 Run: 0600 - 9170.66 ft;PDC, 4 3/4" GABI Motor, 4 3/4" HCIM Collar, Hang-off Sub, NMDC, Float Sub, Down Hole Screen, X-Over Sub, 4" Drill Pipe 12 Std, X-Over Sub, Agitator, Shock Sub, X-Over Sub, 4" Drill Pipe 72 Std, Heavy Weight Drill Pipe

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

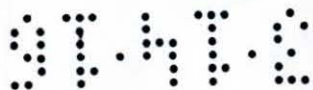
| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-----------------------------|-----------------------|
| 00:00 | 06:00 | 6.00 | 13162.00 | 500 | 6b - Trip Out | |
| 06:00 | 06:15 | 0.25 | 13162.00 | 500 | 6e - Trip Out (at Surface) | |
| 06:15 | 07:30 | 1.25 | 13162.00 | 500 | 6c - PU/LD BHA | |
| 07:30 | 10:30 | 3.00 | 13162.00 | 600 | 6c - PU/LD BHA | |
| 10:30 | 18:30 | 8.00 | 13162.00 | 600 | 6a - Trip In | |
| 18:30 | 00:00 | 5.50 | 13162.00 | 600 | 20b - Misc Directional Work | Orient into Sidetrack |





COMMENTS

Daily Cost 23,215.00
Total Cost 293,087.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
Well Name : Scamardo Grimes LP 1 H
Job Number : HD-XX-0901529911
Rig Name : Nabors M 12
State / Province : Texas
County : Grimes

CURRENT STATUS Report # 21 **Date :** 08/27/2014

| | | |
|------------------------------------|-------------------------------------|--------------------------------|
| Total Depth (ft) : 13392.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 230.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : Scott Marwil |
| | | SDS Reps : |

| LAST SURVEY | | | | | | LAST FORMATION TOP | | |
|-------------|-----------|-----------|----------|------------|--------------|--------------------|-------------|--------------|
| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
| 13387.00 | 91.02 | 292.40 | 8941.02 | 4667.01 | 0.00 | | | |

BHA SUMMARY

Well: H901529911_ST01 Run: 0600 - 9170.66 ft;PDC, 4 3/4" GABI Motor, 4 3/4" HCIM Collar, Hang-off Sub, NMDC, Float Sub, Down Hole Screen, X-Over Sub, 4" Drill Pipe 12 Std, X-Over Sub, Agitator, Shock Sub, X-Over Sub, 4" Drill Pipe 72 Std, Heavy Weight Drill Pipe

Well: H901529911_ST01 Run: 0700 - 9143.46 ft;PDC, 5" hunting motor, Integral Blade, Float Sub, Hang-off Sub, NMDC, Downhole Screen, X-Over Sub, 4" drill pipe 13 std, X-Over Sub, Agitator, Shock Sub, X-Over Sub, 4" drill pipe 72 std, Heavy Weight

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|----------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| oil Base | 9.50 | 50.00 | 14.00 | 13 | 9.00 | 13.00 | | 14.00 | |

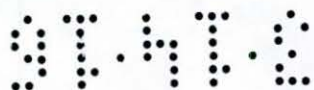
| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | 15.00 | 0.00 | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|----------------------------|----------------------|
| 00:00 | 03:30 | 3.50 | 13162.00 | 600 | 20a - Motor Orientation | Orient for sidetrack |
| 03:30 | 06:00 | 2.50 | 13162.00 | 600 | 6a - Trip In | |
| 06:00 | 08:30 | 2.50 | 13248.00 | 600 | 2b - Drilling - Sliding | |
| 08:30 | 13:30 | 5.00 | 13392.00 | 600 | 2a - Drilling | |
| 13:30 | 14:30 | 1.00 | 13392.00 | 600 | 5 - Circulate | |
| 14:30 | 21:30 | 7.00 | 13392.00 | 600 | 6e - Trip Out (at Surface) | |
| 21:30 | 22:45 | 1.25 | 13392.00 | 600 | 6c - PU/LD BHA | |
| 22:45 | 00:00 | 1.25 | 13392.00 | 700 | 6c - PU/LD BHA | |



COMMENTS



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
Well Name : Scamardo Grimes LP 1 H
Job Number : HD-XX-0901529911
Rig Name : Nabors M 12
State / Province : Texas
County : Grimes

CURRENT STATUS Report # 22 **Date :** 08/28/2014

| | | |
|------------------------------------|-------------------------------------|--------------------------------|
| Total Depth (ft) : 13810.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 418.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : Scott Marwil |
| | | SDS Reps : |

| LAST SURVEY | | | | | | LAST FORMATION TOP | | |
|-------------|-----------|-----------|----------|------------|--------------|--------------------|-------------|--------------|
| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
| 13799.00 | 91.30 | 293.50 | 8934.25 | 5076.66 | 0.00 | | | |

BHA SUMMARY
 Well: H901529911_ST01 Run: 0700 - 9143.46 ft;PDC, 5" hunting motor , Integral Blade, Float Sub, Hang-off Sub, NMDC, Downhole Screen, X-Over Sub, 4" drill pipe 13 std , X-Over Sub, Agitator, Shock Sub, X-Over Sub, 4" drill pipe 72 std, Heavy Weight

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|------------------------------|
| 00:00 | 06:15 | 6.25 | 13392.00 | 700 | 6a - Trip In | |
| 06:15 | 07:00 | 0.75 | 13392.00 | 700 | 5 - Circulate | orient for sidetrack @ 10701 |
| 07:00 | 09:00 | 2.00 | 13392.00 | 700 | 6a - Trip In | |
| 09:00 | 10:00 | 1.00 | 13392.00 | 700 | 5 - Circulate | Circulate and condition mud |
| 10:00 | 15:00 | 5.00 | 13594.00 | 700 | 2a - Drilling | Rotate |
| 15:00 | 18:00 | 3.00 | 13620.00 | 700 | 2b - Drilling - Sliding | Slide F/13594 T/13620 @ 160R |
| 18:00 | 00:00 | 6.00 | 13810.00 | 700 | 2a - Drilling | Rotate |



COMMENTS

Daily Cost \$ 18,775.00
Total Cost 356,092.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 23 **Date :** 08/29/2014

| | | |
|-----------------------------|------------------------------|-------------------------|
| Total Depth (ft) : 14515.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 705.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : Scott Marwil |
| | | SDS Reps : |

| LAST SURVEY | | | | | | LAST FORMATION TOP | | |
|-------------|-----------|-----------|----------|------------|--------------|--------------------|-------------|--------------|
| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
| 14482.00 | 93.15 | 293.09 | 8923.15 | 5756.54 | 0.00 | | | |

BHA SUMMARY
 Well: H901529911_ST01 Run: 0700 - 9143.46 ft;PDC, 5" hunting motor , Integral Blade, Float Sub, Hang-off Sub, NMDC, Downhole Screen, X-Over Sub, 4" drill pipe 13 std , X-Over Sub, Agitator, Shock Sub, X-Over Sub, 4" drill pipe 72 std, Heavy Weight

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|------------------------------|
| 00:00 | 00:15 | 0.25 | 13820.00 | 700 | 2a - Drilling | Rotate |
| 00:15 | 01:30 | 1.25 | 13835.00 | 700 | 2b - Drilling - Sliding | Slide F/13820 T/13835 @ 160R |
| 01:30 | 07:45 | 6.25 | 14068.00 | 700 | 2a - Drilling | Rotate |
| 07:45 | 09:30 | 1.75 | 14095.00 | 700 | 2b - Drilling - Sliding | Slide F 14068 T 14095 @ 180 |
| 09:30 | 11:00 | 1.50 | 14133.00 | 700 | 2a - Drilling | |
| 11:00 | 12:45 | 1.75 | 14153.00 | 700 | 2b - Drilling - Sliding | Slide F 14133 T 14153 @ 180 |
| 12:45 | 16:30 | 3.75 | 14257.00 | 700 | 2a - Drilling | |
| 16:30 | 18:00 | 1.50 | 14287.00 | 700 | 2b - Drilling - Sliding | Slide F 14257 T 14287 @ 180 |
| 18:00 | 22:00 | 4.00 | 14487.00 | 700 | 2a - Drilling | Rotate |



TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|------------------------------|
| 22:00 | 00:00 | 2.00 | 14515.00 | 700 | 2b - Drilling - Sliding | Slide F/14487 T/14515 @ 160L |

COMMENTS

Daily Cost \$ 11,415.00
 Total Cost 367,507.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
Well Name : Scamardo Grimes LP 1 H
Job Number : HD-XX-0901529911
Rig Name : Nabors M 12
State / Province : Texas
County : Grimes

CURRENT STATUS Report # 24 **Date :** 08/30/2014

| | | |
|------------------------------------|-------------------------------------|--------------------------------|
| Total Depth (ft) : 15240.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 725.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : Scott Marwil |
| | | SDS Reps : |

| LAST SURVEY | | | | | | LAST FORMATION TOP | | |
|-------------|-----------|-----------|----------|------------|--------------|--------------------|-------------|--------------|
| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
| 15195.00 | 90.19 | 293.47 | 8918.14 | 6468.01 | 0.00 | | | |

BHA SUMMARY
 Well: H901529911_ST01 Run: 0700 - 9143.46 ft;PDC, 5" hunting motor , Integral Blade, Float Sub, Hang-off Sub, NMDC, Downhole Screen, X-Over Sub, 4" drill pipe 13 std , X-Over Sub, Agitator, Shock Sub, X-Over Sub, 4" drill pipe 72 std, Heavy Weight

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lbf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|-------------------------|------------------------------|
| 00:00 | 00:45 | 0.75 | 14522.00 | 700 | 2b - Drilling - Sliding | Slide F/14515 T/14522 @ 160L |
| 00:45 | 02:00 | 1.25 | 14547.00 | 700 | 2a - Drilling | Rotate |
| 02:00 | 03:30 | 1.50 | 14572.00 | 700 | 2b - Drilling - Sliding | Slide F/14547 T/14572 @ 160L |
| 03:30 | 07:00 | 3.50 | 14670.00 | 700 | 2a - Drilling | Rotate |
| 07:00 | 08:30 | 1.50 | 14742.00 | 700 | 2b - Drilling - Sliding | |
| 08:30 | 12:30 | 4.00 | 14907.00 | 700 | 2a - Drilling | |
| 12:30 | 14:30 | 2.00 | 14937.00 | 700 | 2b - Drilling - Sliding | |
| 14:30 | 17:45 | 3.25 | 15048.00 | 700 | 2a - Drilling | |
| 17:45 | 20:00 | 2.25 | 15083.00 | 700 | 2b - Drilling - Sliding | |



TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|---------------|----------------------|
| 20:00 | 00:00 | 4.00 | 15240.00 | 700 | 2a - Drilling | |

COMMENTS

Daily Cost \$ 11,415.00
 Total Cost 378,922.00



WELL INFORMATION

Created On : Sep 09 2014

Daily Drilling Report

Customer : Marlin Energy Resources
 Well Name : Scamardo Grimes LP 1 H
 Job Number : HD-XX-0901529911
 Rig Name : Nabors M 12
 State / Province : Texas
 County : Grimes

CURRENT STATUS Report # 25 Date : 08/31/2014

| | | |
|-----------------------------|------------------------------|-------------------------|
| Total Depth (ft) : 15564.00 | Casing Depth (ft) : 9220.00 | Customer Reps : |
| Depth Last 24 (ft) : 324.00 | Casing Diameter (in) : 7.625 | Customer Reps : |
| Hole Size (in) : 0.000 | Casing ID (in) : 6.765 | SDS Reps : Casey Cooper |
| | | SDS Reps : Scott Marwil |
| | | SDS Reps : |

| LAST SURVEY | | | | | | LAST FORMATION TOP | | |
|-------------|-----------|-----------|----------|------------|--------------|--------------------|-------------|--------------|
| Depth (ft) | Inc (deg) | Azi (deg) | TVD (ft) | Displ (ft) | Direct (deg) | Formation Name | MD Top (ft) | TVD Top (ft) |
| 15521.00 | 90.03 | 293.07 | 8915.82 | 6793.44 | 0.00 | | | |

BHA SUMMARY
 Well: H901529911_ST01 Run: 0700 - 9143.46 ft;PDC, 5" hunting motor , Integral Blade, Float Sub, Hang-off Sub, NMDC, Downhole Screen, X-Over Sub, 4" drill pipe 13 std , X-Over Sub, Agitator, Shock Sub, X-Over Sub, 4" drill pipe 72 std, Heavy Weight

MUD DATA

| Type | Weight (ppg) | FV (spqt) | PV (cP) | YP (lhf2) | Gels 10 sec | 10 Min | 30 sec | 30 min | (lhf2) |
|------|--------------|-----------|---------|-----------|-------------|--------|--------|--------|--------|
| | | | | | | | | | |

| Flowline | Weight Out (ppg) | FV Out (spqt) | Solids (%) | Sand (%) | Oil (%) | Fluid Loss (mptm) | pH |
|----------|------------------|---------------|------------|----------|---------|-------------------|----|
| | | | | | | | |

TIME BREAKDOWN

| From | To | Hours | TMD (ft) | Run | Activity | Activity Description |
|-------|-------|-------|----------|-----|----------------------------|----------------------|
| 00:00 | 07:00 | 7.00 | 15564.00 | 700 | 2a - Drilling | |
| 07:00 | 10:30 | 3.50 | 15564.00 | 700 | 5 - Circulate | |
| 10:30 | 21:00 | 10.50 | 15564.00 | 700 | 6b - Trip Out | |
| 21:00 | 21:15 | 0.25 | 15564.00 | 700 | 6e - Trip Out (at Surface) | |
| 21:15 | 21:30 | 0.25 | 15564.00 | 700 | 6c - PU/LD BHA | |

COMMENTS
 Daily Cost \$ 11,415.00
 Total Cost 390,337.00



File No. MF 116611

Brazos/Grimes County

Well records 185-30847

Date Filed: 3/14/16

George P. Bush, Commissioner
By MB Barnstone



DIVISION ORDER

TO: Marlin Energy Resources, LLC
 ATTENTION LAND DEPT
 3861 Ambassador Caffery Parkway
 Suite 600
 Lafayette, LA 70503

Date: November 17, 2014

Effective Date: October 28, 2014

GLO Mineral File: M-116611
 GLO Unit Number: 6882
 Marlin Property Number: 3520001
 Property Name: Scamardo Grimes, LP Unit Product: Oil, Gas and Condensate
 Operator: Marlin Energy Resources, LLC
 Parish and State: Grimes County and Brazos County, Texas
 Property Description: 543.56 acres, situated in the A. Brisco Survey, A-117, L. Morgan Survey, A-336, and the B. F. Arnold Survey, A-68, all being in Grimes County, Texas, and the P. Diaz Survey, A-106, Brazos County, Texas, as described in the Unit Designation for the Marlin Energy Resources, LLC Scamardo Grimes, LP Unit recorded in Volume 12336, Page 201 of the Official Public Records of Brazos County, Texas and in Volume 1527, Page 538 of the Official Public Records of Grimes County, Texas (the "Unit").

| Marlin Owner # | Name & Address | Interest Type | BPO Net Interest |
|----------------|--|---------------|------------------|
| GLO123 | Texas General Land Office 1700 N Congress Avenue, Room 840 Austin, TX 78701-1495 | RI | 0.00566175 ✓ |

The undersigned hereby adopts, ratifies and confirms the Unit, recognizes the full validity of the Unit and certifies the ownership of its decimal interest in production or proceeds and payment address described above payable by Marlin Energy Resources, LLC.

Marlin Energy Resources, LLC shall be notified, in writing, of any change in ownership, decimal interest, or payment address. All such changes shall be effective the first day of the month following receipt of such notice.

Marlin Energy Resources, LLC is authorized to withhold payment pending resolution of a title dispute or adverse claim asserted regarding the interest in production claimed herein by the undersigned. The undersigned agrees to indemnify and reimburse Marlin Energy Resources, LLC any amount attributable to an interest to which the undersigned is not entitled.

Marlin Energy Resources, LLC may accrue proceeds until the total amount meets or exceeds \$100.00, or pay annually, whichever occurs first or as required by applicable state statutes.

This Division Order does not amend any lease or operating agreement between the undersigned and the lessee or operator or any other contracts for the purchase of oil or gas.

In addition to the terms and conditions of this Division Order, the undersigned and Marlin Energy Resources, LLC may have certain statutory rights under the laws of the state in which the property is located.

OWNER: TEXAS GENERAL LAND OFFICE

By: _____ Tax I.D./Social Security Number: _____
 Print Name: _____ Daytime Telephone Number: _____
 Date: _____ FAX Telephone Number: _____

*Federal Law requires you to furnish your Social Security or Taxpayer Identification Number
 Failure to comply will result in 31% tax withholding and will not be refundable by Payor*





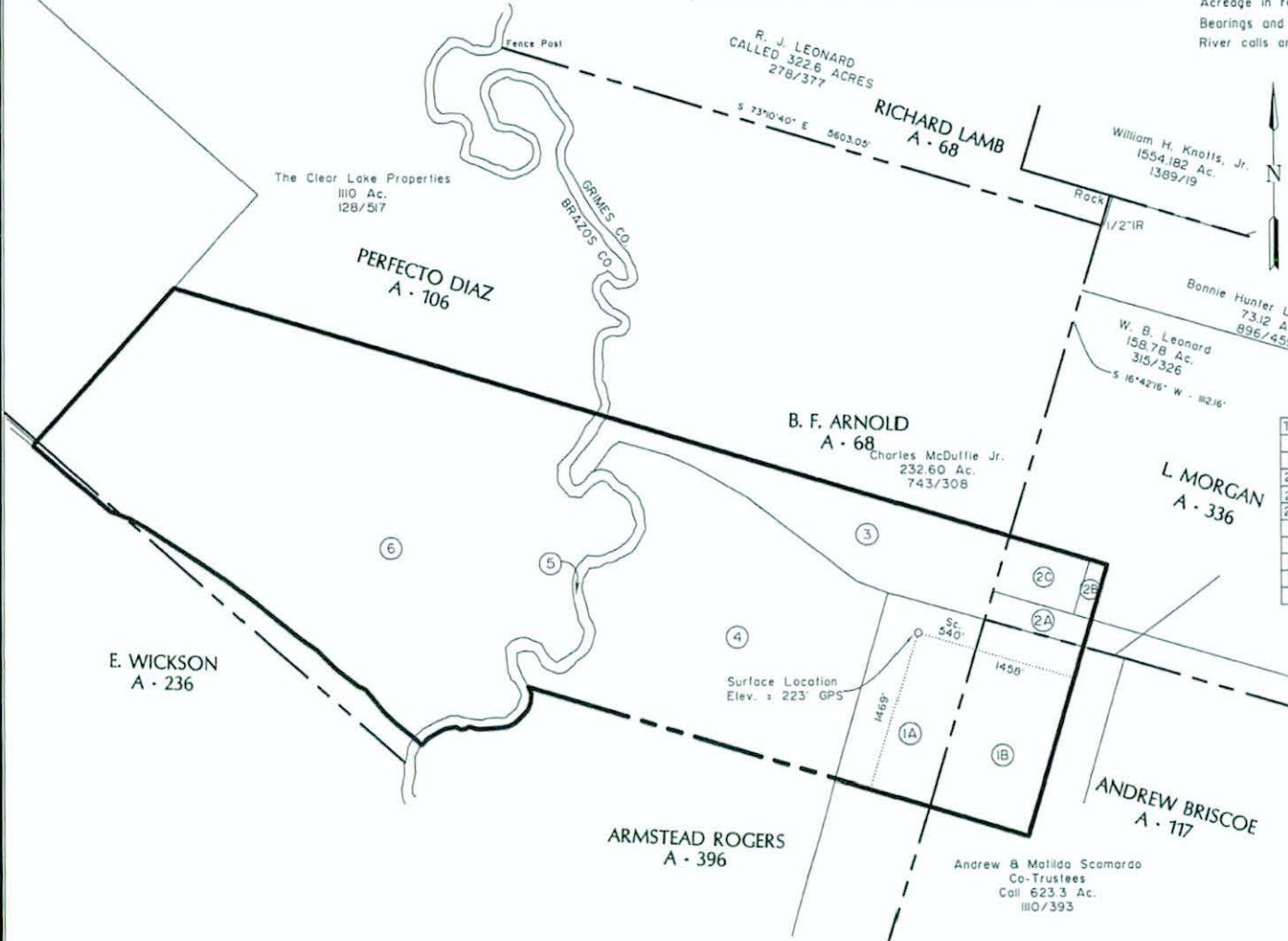
STRONG SURVEYING

1722 Broadmoor, Suite 105
 Bryan, Texas 77802
 Phone: (979) 776-9836
 Fax: (979) 731-0096
 FIRM NO. 10093500 email: curtis@strongsurveying.com



NOTES:

Bearing Base is Texas State Plane central Zone NAD83(CORS96) State Plane Central Zone by utilizing GPS methods.
 Acreage for Unit Tracts is shown by Deed Calls as furnished by Marlin Energy. Acreages may not reflect actual acreages if surveyed on the ground, nor will it show any possible conflicts between properties.
 The boundaries for the well lies are from an on the ground survey. Acreage in roadways may not be included.
 Bearings and Distances are Grid.
 River calls are to High Bank. The high banks are also the Survey Lines.



| WELL LOCATION NAD 83(CORS96) | WELL LOCATION NAD27 (CALCULATED) |
|------------------------------|----------------------------------|
| LAT: N 30° 45' 37.05001" | LAT: N 30° 45' 36.35235" |
| LONG: W 96° 09' 17.83987" | LONG: W 96° 09' 16.99200" |
| N = 422310.51 | |
| E = 332140.87 | |
| PENETRATION POINT | PENETRATION POINT |
| LAT: N 30° 46' 09.92832" | LAT: N 30° 46' 09.23159" |
| LONG: W 96° 09' 07.68882" | LONG: W 96° 09' 06.83405" |
| N = 425663 | |
| E = 332902 | |
| 1st TAKE | 1st TAKE |
| LAT: N 30° 46' 10.44918" | LAT: N 30° 46' 09.75246" |
| LONG: W 96° 09' 09.24057" | LONG: W 96° 09' 08.39278" |
| N = 425710 | |
| E = 332764 | |
| LAST TAKE | LAST TAKE |
| LAT: N 30° 46' 28.92765" | LAT: N 30° 46' 28.23132" |
| LONG: W 96° 10' 04.55404" | LONG: W 96° 10' 03.70473" |
| N = 427395 | |
| E = 330782 | |
| TERMINUS | TERMINUS |
| LAT: N 30° 46' 29.27659" | LAT: N 30° 46' 28.58026" |
| LONG: W 96° 10' 05.60629" | LONG: W 96° 10' 04.75695" |
| N = 427427 | |
| E = 3307779 | |

| Tr. | Owner | Ac. in Unit | Call Ac. | Vol/Pg. |
|-------|---------------------------|-------------|-------------|---------|
| 1A | Andrew B Malilda Scamardo | 35.23 Ac. | 623.3 Ac. | 110/393 |
| 1B | Andrew B Malilda Scamardo | 37.3 Ac. | 623.3 Ac. | 110/393 |
| 2A | W. B. Leonard | 5.49 Ac. | 158.78 Ac. | 315/326 |
| 2B | W. B. Leonard | 1.93 Ac. | 158.78 Ac. | 315/326 |
| 2C | W. B. Leonard | 6.95 Ac. | 158.78 Ac. | 315/326 |
| 3 | Charles McDuffie Jr. | 45.55 Ac. | 321.28 Ac. | 743/308 |
| 4 | Keown Supply Co. | 123.36 Ac. | 622.159 Ac. | 348/444 |
| 5 | STATE OF TEXAS | 12.31 Ac. | (High Bank) | |
| 6 | Clear Lake Properties | 273.44 Ac. | 1110 Ac. | 128/517 |
| TOTAL | | 543.56 Ac. | | |

NEAREST TOWN:
 Iola 4.9 Miles East
MARLIN ENERGY RESOURCES, LLC
 SCAMARDO GRIMES, LP 1H
 543.56 ACRES
 ANDREW BRISCOE A-117, GRIMES CO.,
 L. MORGAN A-336, GRIMES CO.,
 BENJAMIN F. ARNOLD A-68, GRIMES CO.,
 ELI WICKSON A 236, BRAZOS CO., &
 PERFECTO DIAZ, A - 106, BRAZOS CO.
 GRIMES AND BRAZOS COUNTY, TEXAS
 SCALE: 1" = 1000' MAY 12, 2014





TEXAS GENERAL LAND OFFICE
GEORGE P. BUSH, COMMISSIONER

July 8, 2016

Rachel Lopez
Marlin Energy Resources, LLC
3861 Ambassador Caffery Pkwy, Suite 600
Lafayette, LA 70503

Re: State Lease Nos. MF116815, MF116816 and MF116930 Brazos Farm Ltd 1;
MF116473 McDuffie Unit (Unit 6802); and
MF116611 Scamardo Grimes LP (Unit 6882)

Dear Mrs. Lopez:

The Texas General Land Office (GLO) has received your Division Orders for the referenced units. These Division Orders have been filed in the appropriate mineral files.

The payment of royalties attributable to state-owned mineral and royalty interests is set by contract and applicable statutes and rules. The execution of division orders may, in some cases, affect the manner in which such payments are made or calculated. Therefore, Title 31, §9.32, of the Texas Administrative Code specifies that GLO staff cannot execute a division order or bind the state to any terms contained within it.

Subject to applicable state law and the state's right to take its production in-kind, the GLO acquiesces to the sale of oil and gas in accordance with the terms and conditions set out in the oil and gas leases. If you have questions concerning this matter, please feel free to e-mail me at the address below my signature.

We look forward to being put on pay status as soon as you are able to set up the wells in our RRAC system.

Thank you,

Vivian Hernandez
Landman, Energy Resources
512-475-0428
512-475-1543 (fax)
vivian.hernandez@glo.texas.gov

File No. ME 116611 6.
Division Order

Date Filed: 7-8-16

Jerry E. Patterson, Commissioner

By V.H.



TEXAS GENERAL LAND OFFICE
GEORGE P. BUSH, COMMISSIONER

May 22, 2018

F. Michael Lipari, Land Manager
Marlin Energy Resources, LLC
3861 Ambassador Caffery Parkway, Ste 600
Lafayette, Louisiana 70503

Re: Consent to Assign – MF116611 & MF116473
Brazos & Grimes Counties

Dear Mr. Lipari:

We hereby acknowledge receipt of your letter dated May 17, 2018, regarding the above referenced lease(s). You requested the General Land Office ("GLO") consent to assign an interest in the lease(s) from Marlin Energy Resources, LLC to ETX Energy, LLC.

The GLO interprets the assignment language in each lease to limit the transfer of obligations only when there are actual liabilities under each lease, such as plugging abandoned wells, removing pipelines, remediating drill sites and remitting unpaid royalties, interest or penalties due. If there are no existing liabilities, the lease(s) may be transferred at any time without written consent of the Commissioner.

Accordingly, we will accept for filing a certified copy of the Assignment. The filing fee for an assignment is \$25.00 per lease. Absent an existing liability owed to the state, the assignee shall succeed to the rights and obligations under the lease.

Best regards,

Carl Bonn, CPL
Mineral Leasing
Office: (512) 463-5407
Email: carl.bonn@glo.texas.gov



May 17, 2018

MF 116611

SENT OVERNIGHT VIA FEDERAL EXPRESS

Mr. Carl Bonn
Texas General Land Office
ATTN: Energy Resources/Mineral Leasing
1700 N Congress Avenue, Suite 840
Austin, TX 78701-1495
512-463-5042

Re: Consent to Assignment

Pooling Agreement dated effective July 1, 2014 (the "Subject Agreement")
Between the Commissioner of the General Land Office of the State of Texas and
Marlin Energy Resources, LLC
M-116611 – GLO Unit No. 6882
Recorded in Vol. 1527, Page 519, Grimes Co., Texas
Recorded in Vol. 12336, Page 182, Brazos Co., Texas

Dear Mr. Bonn:

Marlin Energy Resources, LLC ("Marlin"), current operator of the Subject Agreement, hereby respectfully requests your consent to an assignment of all of Marlin's right, title and interest in the Subject Agreement to:

ETX Energy, LLC
Spirit Bank Event Center, 2nd Floor
10441 S. Regal Blvd., Ste. 210
Tulsa, Oklahoma 74133
918-728-3020
918-728-3194 (Fax)
Attn: Scott Hakel, Director of Land
Email: shakel@etx-energy.com

It is agreed and understood that nothing in this consent of assignment or the assignment of agreement will change or alter any provisions contained in the Subject Agreement, and ETX will be subject to all terms, conditions and stipulations set forth in the Subject Agreement.

It is agreed and understood that the execution of this letter by the undersigned below shall serve as consent to the aforementioned assignment, as required in the Subject Agreement.

Please sign below in the space provided and return one (1) original of this letter to me in the enclosed return envelope. Should you have any questions, please contact me at (337) 769-4339 or via email at mike.lipari@marlinenergy.net.

Sincerely,

Marlin Energy Resources, LLC



F. Michael Lipari
Land Manager



Agreement and consent is hereby given by the undersigned for the assignment of the Subject Agreement by Marlin Energy Resources, LLC to ETX Energy, LLC.

COMMISSIONER OF THE GENERAL LAND OFFICE OF THE STATE OF TEXAS

By _____

Print Name _____

Title _____

Date: _____

7

MF 116611

File No.

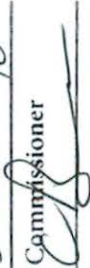
Consent TO Adiff
to FTx

5-22-18

Date Filed:

George P. Bush, Commissioner

By



2.13.18